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WASTE WEIGHT DETERMINATION

Bosnia and Herzegovina

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Agency for Statistics of Bosnia and Herzegovina in the quality report for the environment summarizes waste management activities in Bosnia and Herzegovina in the format specified by Eurostat. Eurostat requires that the amount of waste is reported in units of mass (tons) or that the density of the waste it reported also, so that the unit volume can be properly converted into units of mass

The information below is designed to provide a guide for those who know the volume of waste, but not its weight.

1.1. Waste volume to weight conversion - some of the methods

This guide explains the three methods by which the operator can determine the weight of waste, apart from weighing its entire volume.

1.1.1 Method one

The operator knows the density and volume of waste.

If the operator knows the density of the waste (ie, the weight per unit volume), it can calculate the weight of waste by using the following formula:

density × volume = weight

Example: the operator knows that the waste density is 11,5 kg per 10 liters. The operator also knows that there are a total of 50 liters of waste. Weight of waste can be calculated as follows:

(1,15 kg / 1 liter) x 50 liters = 57,5 kg

1.1.2 Method two

The operator knows the volume and weight of a representative sample of waste.
The formula for the use of this method is:

the original waste volume / volume of the sample × weight of sample = weight of the original waste

Follow these steps:

a) You need to get a representative sample of known volume of waste whose weight is calculated.
b) Weigh the sample.
c) Calculate the number of such samples in the original waste volume of the original waste by dividing the volume of the sample.
d) Multiply the number obtained in the step 3 by the number of the sample weight to obtain the weight of the original waste.

Example: the operator has 9.500 liters of liquid waste, but does not know its specific weight, and wants to determine the weight of the liquid. Using method 2, it can calculate the weight of the liquid waste as follows:

a) Take a representative sample of a known volume of liquid waste (in this example, we assume that the volume of 2 liters).
b) Get sample weight measurement in step 1 (for this example, we assume the weight of 3 kg).

c) Divide the the volume of the original waste (9.500 L) with a sample volume (2 liters) to produce the result 4.750 (9.500 / 2).
d) Calculate the mass of the original waste using the formula method 2:

(9.500 liters / 2 liters) x 3 kg = 14.250 kg. Weight of original 9.500 liters of liquid waste was 14.250 kg.

1.1.3 Method three

The operator knows the specific weight and volume of waste. **The first condition** for the use of this procedure is that the operator knows the specific weight (ie, the ratio of the weight of the substance in the mass of an equal volume of water) waste whose weight is calculated. **The second condition** is that the units related to the volume of waste would have to be the same as the weight and volume of water used as a reference. This means that, if the volume of waste, whose weight is calculated isexpressed in cubic meters, then appropriate water weight must be expressed in cubic meters.

Note: The specific weight of waste can generally be obtained from the Material - Safety Data Sheet, a publication available from the manufacturer, the manual on the material or on-request-from the lab.

The formula for the use of this method is:

Weight of water per unit volume x specific weight × volume of waste = weight of waste

Example: Lead has a specific weight of 11,35 kg (ie, given volume of lead weighs 11,35 times as equal volume of water) .Weight 1 m^3 of water is about 1.000 kg. With this information in mind, the weight 2 m^3 of lead can be calculated as follows:

1.000 kg for m^3 × 11,35 kg × 2 m^3 = 22.700 kg

For each of the given type of waste conversion factor independent of the economic activity that generates waste is proposed. Suggested conversion factors for all codes by the European List of Waste are shown in Table 3. The Agency for Statistics of Bosnia and Herzegovina, given the multiple sources and field experience, recommends using the proposed average values a conversion factor to use in calculating the tones of the volume. The condition for this is the knowledge of the codes of waste (eg, waste from the excavation of metallic mineral resources - code 01 01 01) and the amount / volume of such waste (eg. 5 m^3)

The calculation uses formula:

volume (m^3) x conversion factor = weight in tons

Example:
a) Type of waste, for example, wastes from mineral metallic mineral resources - code 01 01 01
b) The volume / volume of this waste is eg. 5 m^3
c) The third step is to calculate the formula:

5 m^3 x 1,23 = 6,15 tons

1.1.4 European Waste List in brief

Coding of waste in Europe is organized according to the European List of Waste - LoW, which is also known as the European classification of waste - EWC (European Waste Catalogue).

A more detailed description of the List of waste or European Classification of waste is given in the document of the Agency for Statistics of Bosnia and Herzegovina on the "Determination of waste codes according to the list of waste," Agency for Statistics of Bosnia and Herzegovina, 2012, web: http://www.bhas.ba/metodoloskidokumenti/LoW_2012_001_01_BA

List of waste includes a list of 839 types of waste systematized according to the characteristics and location of waste into 20 groups. Most of the group refers to those activities where the waste is generated, while some groups are associated with materials or processes.

Types of waste in the List of Waste are marked with six-digit key numbers (eg. 02 01 02 - waste animal tissue).

The two-digit number in the List of Waste marks each **group** of waste (eg. number 04 denotes waste from the leather, fur and textile industries in the list of waste), and the four-digit number indicates the **subgroup** of waste (eg. 01, No. 04 denotes waste from the leather and fur industry). Tags (numbers) assigned to the group and subgroup suggest the appropriate type of waste.

Table 1. Section of 04 group in List of Waste

04	WASTE FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES	
04 01	Waste from the leather and fur industry	
04 01 01	Waste removal of subcutaneous tissue and decomposition with lime	animal rawhide, animal hair, raw leather - animal skin
04 01 02	waste from leather liming	lime - used, lime sludge
04 01 03*	degreasing wastes containing solvents without a liquid phase	compounds for degreasing, leather - waste degreasing, fur - degreasing waste

List of Waste determines all hazardous and non-hazardous waste by the key numbers.

Hazardous waste in the List of Waste carries an asterisk * and is marked by yellow (eg. 04 01 03 * - degreasing wastes containing solvents without a liquid phase). Six-digit key number with an asterisk is appropriate only if the waste contains hazardous substances or certain hazardous goods exceeding allowed level or higher that that.

Tablel 2. Legend for List of Waste

GROUP
SUBGROUP
NONHAZARDOUS WASTE
HAZARDOUS WASTE

Table 3. Conversion factors m^3 into tones according to the List of Waste

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
1	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**				
01 01	**wastes from mineral excavation**				
01 01 01	wastes from mineral metalliferous excavation	Quarry spoil, Arsenic - elemental, Mine waste, Ilmenite extraction residues, Overburden	**1,23**	**1,23**	**1,23**
01 01 02	wastes from mineral non-metalliferous excavation	Brine, Coal, Colliery spoil, Quarry spoil, Mine waste, Slate, Sodium chloride, Graphite, Calcium carbonate, Chalk, Overburden	**1,23**	**1,25**	**1,30**
01 03	**wastes from physical and chemical processing of metalliferous minerals**				
01 03 04*	acid-generating tailings from processing of sulphide ore	Acid, Acids, Containers - plastic, Sulphides, Metalliferous mineral tailings, Mineral processing waste, Tailings - metalliferous minerals	**1,23**	**1,23**	**1,23**
01 03 05*	other tailings containing dangerous substances	Metalliferous mineral tailings, Mineral processing waste, Tailings – metalliferous minerals	**1,23**	**1,23**	**1,23**
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05	Metalliferous mineral tailings, Mineral processing waste, Tailings - metalliferous minerals	**1,23**	**1,23**	**1,23**
01 03 07*	other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals	Mineral processing waste, Ore processing waste	**1,23**	**1,23**	**1,23**
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07	Dust – grinding, Mineral processing waste, Ore processing waste	**1,23**	**1,23**	**1,23**
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07	Red mud (Alumina), Mineral processing waste, Mud - red (Alumina)	**1,23**	**1,32**	**1,50**
01 03 99	wastes not otherwise specified	N/A	**1,13**	**1,21**	**1,27**
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**				
01 04 07*	wastes containing hazardous substances from physical and chemical processing of non-metalliferous minerals	Mineral processing waste, Stone cutting powder, Stone cutting dust, Contaminated rock	**1,23**	**1,48**	**1,80**
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07	Aggregates, Gravel, Mineral processing waste, Slate, Calcium carbonate, Chalk, Rock – excavated, Rock - crushed	**1,23**	**1,29**	**1,40**
01 04 09	waste sand and clays	Clay, Contaminated sand, Mineral processing waste, Sand, Vermiculite	**1,17**	**1,25**	**1,40**
01 04 10	dusty and powdery wastes other than those mentioned in 01 04 07	Dust – grinding, Mineral processing waste	**1,23**	**1,42**	**1,80**
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07	Brine, Mineral processing waste	**1,23**	**1,42**	**1,80**
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04	Mineral processing waste	**1,23**	**1,42**	**1,80**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07	Stone, Mineral processing waste, Stone cutting dust, Stone cutting powder	**1,23**	**1,39**	**1,70**
01 04 99	wastes not otherwise specified	N/A	**1,09**	**1,23**	**1,49**
01 05	**drilling muds and other drilling wastes**				
01 05 04	freshwater drilling muds and wastes	Drilling muds - water based, Mud - drilling	**1,40**	**1,45**	**1,48**
01 05 05*	oil-containing drilling muds and wastes	Drilling muds - water based, Mud - drilling, Mud (oil containing)	**1,40**	**1,44**	**1,48**
01 05 06*	drilling muds and other drilling wastes containing dangerous substances	Drilling muds - water based, Mud - drilling	**1,48**	**1,48**	**1,48**
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06	Drilling muds - water based, Mud - drilling	**1,40**	**1,45**	**1,48**
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06	Drilling muds - water based, Mud - brine, Mud - drilling	**1,40**	**1,45**	**1,48**
01 05 99	wastes not otherwise specified	N/A	**1,21**	**1,24**	**1,26**
2	**WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING**				
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**				
02 01 01	sludges from washing and cleaning	Food processing waste, Food washing waste, Washing waste - food	**0,92**	**0,92**	**0,92**
02 01 02	animal-tissue waste	Blood - animal, Carcasses, Food processing waste, Animal blood, Animal carcasses, Animal hides, Animal tissue - non-infectious, Fish - processing waste, Fish carcasses, Flesh - animal, Hides - animal, Skins - animal, Poultry waste, Cows, Sheep, Pigs	**0,83**	**0,92**	**1,10**
02 01 03	plant-tissue waste	Food processing waste, Green waste, Horticultural waste, Plant tissue, Tissue - plant, Trees, Vegetable waste, Vegetation, Weeds, Wood, Wood cuttings, Crops, Crop waste	**0,35**	**0,61**	**1,15**
02 01 04	waste plastics (except packaging)	Low density polyethylene, Baled plastic waste, High density polyethylene, Mixed plastics, Plastic film, Plastic sheeting, Plastic wrapping, Plastics, Polythene, Polyurethane, Polypropylene, Polystyrene, Polythene sheets, Polypropylene film	**0,21**	**0,27**	**0,40**
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site	Food washing waste, Animal bedding - soiled, Animal faeces, Excrement - animal Manure - animal, Straw	**0,10**	**0,50**	**1,30**
02 01 07	wastes from forestry	Trees, Wood cuttings, Wood, Green waste, Plant tissue, Tissue - plant, Forestry waste	**0,35**	**0,35**	**0,35**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
02 01 08*	agrochemical waste containing hazardous substances	Washings - agrochemical containers, Biocides, Container washings - agrochemical, Containers - pesticide (metal), Containers - pesticide (plastic), Fungicides, Herbicides, Crop spraying waste	**0,19**	**0,74**	**1,30**
02 01 09	agrochemical waste other than those mentioned in 02 01 08	Container washings - agrochemical, Containers - pesticide (metal), Containers - pesticide (plastic), Washings - agrochemical containers, Crop spraying waste	**0,19**	**0,56**	**1,30**
02 01 10	waste metal	Brass - scrap, Aluminium, Ferrous and non-ferrous (mixed) scrap, Ferrous metal scrap, Iron - scrap, Iron corrugated sheets, Steel, Steel - scrap, Steel cladding, Metal - scrap, Metal - scrap (ferrous), Metal - scrap (non-ferrous), Mixed ferrous and non-ferous metals	**0,30**	**0,30**	**0,30**
02 01 99	wastes not otherwise specified	N/A	**0,36**	**0,56**	**0,89**
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**				
02 02 01	sludges from washing and cleaning	Food processing waste, Food washing waste, Washing waste - food	**0,92**	**0,95**	**1,00**
02 02 02	animal-tissue waste	Blood - animal, Food processing waste, Animal blood, Animal carcasses, Animal hides, Animal tissue - non-infectious, Carcasses, Feathers, Fish - processing waste, Fish carcasses, Flesh - animal, Meat - unfit for consumption, Hides - animal, Skins - animal	**0,83**	**0,85**	**0,90**
02 02 03	materials unsuitable for consumption or processing	Food - condemned, Condemned food, Food processing waste, Animal fat, Fish - processing waste, Fish carcasses, Kitchen waste, Meat - unfit for consumption, Poultry waste, Shellfish processing waste, Pigs, Cows, Sheep	**0,27**	**0,55**	**1,12**
02 02 04	sludges from on-site effluent treatment	Food processing waste, Effluent treatment sludge - biological (dewatered), Sludge - biological dewatered effluent treatment	**0,50**	**0,65**	**0,93**
02 02 99	wastes not otherwise specified	N/A	**0,54**	**0,68**	**1,01**
02 03	**wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation**				
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation	Cocoa husks, Cocoa shells, Cocoa skins, Coffee, Compost - mushroom, Compost - spent, Food processing waste, Food washing waste, Washing waste - food, Tobacco unprocessed	**0,35**	**0,55**	**0,95**
02 03 02	wastes from preserving agents	Preserving agents, Preservatives	**0,90**	**1,13**	**1,35**
02 03 03	wastes from solvent extraction	Solvent extraction waste	**0,90**	**1,20**	**1,50**
02 03 04	materials unsuitable for consumption or processing	Cocoa husks, Cocoa shells, Cocoa skins, Coffee, Food - condemned, Condemned food, Food processing waste, Jam, Kitchen waste, Potatoes, Fruit, Oil - vegetable, Tobacco - processed, Tea, Tobacco - unprocessed, Vegetable waste	**0,41**	**0,65**	**1,15**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
02 03 05	sludges from on-site effluent treatment	Effluent treatment sludge - biological (dewatered), Sludge - biological dewatered effluent treatment	**0,92**	**0,92**	**0,92**
02 03 99	wastes not otherwise specified	N/A	**0,61**	**0,81**	**1,14**
02 04	**wastes from sugar processing**				
02 04 01	soil from cleaning and washing beet	Food washing waste, Washing waste - food, Top soil, Soil, Soil from vegetable washing	**1,17**	**1,28**	**1,50**
02 04 02	off-specification calcium carbonate	Calcium carbonate	**0,61**	**0,83**	**1,28**
02 04 03	sludges from on-site effluent treatment	Effluent treatment sludge - biological (dewatered), Sludge - biological dewatered effluent treatment	**0,92**	**0,92**	**0,92**
02 04 99	wastes not otherwise specified	N/A	**0,72**	**0,86**	**1,13**
02 05	**wastes from the dairy products industry**				
02 05 01	materials unsuitable for consumption or processing	Dairy products, Dairy products (solids), Dairy products (liquids), Milk, Food - condemned, Condemned food, Food processing waste, Yoghurt,	**0,19**	**0,46**	**1,00**
02 05 02	sludges from on-site effluent treatment	Dairy products, Dairy products (solids), Dairy products (liquids), Effluent treatment sludge - biological (dewatered), Sludge - biological dewatered effluent treatment	**0,92**	**0,92**	**0,92**
02 05 99	wastes not otherwise specified	N/A	**0,46**	**0,63**	**0,97**
02 06	**wastes from the baking and confectionery industry**				
02 06 01	materials unsuitable for consumption or processing	Food - condemned, Condemned food, Food processing waste, Biscuits, Chocolate, Yeast, Bread, Bakery waste	**0,37**	**0,55**	**0,90**
02 06 02	wastes from preserving agents	Preservatives, Preserving agents	**0,90**	**1,01**	**1,35**
02 06 03	sludges from on-site effluent treatment	Effluent treatment sludge - biological (dewatered), Sludge - biological dewatered effluent treatment	**0,92**	**0,92**	**0,92**
02 06 99	wastes not otherwise specified	N/A	**0,59**	**0,69**	**0,86**
02 07	**wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**				
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials	Brewing waste, Food processing waste, Food washing waste, Washing waste - food, Fermentation waste	**0,55**	**0,75**	**0,90**
02 07 02	wastes from spirits distillation	Brewing waste, Fermentation waste, Distillation residues	**0,90**	**0,95**	**1,00**
02 07 03	wastes from chemical treatment	Brewing waste, Fermentation waste	**0,90**	**0,90**	**0,90**
02 07 04	materials unsuitable for consumption or processing	Brewing waste, Food - condemned, Condemned food, Food processing waste, Beer, Fermentation waste, Alcoholic drinks	**0,23**	**0,35**	**0,60**
02 07 05	sludges from on-site effluent treatment	Brewing waste, Effluent treatment sludge - biological (dewatered), Fermentation waste, Sludge - biological dewatered effluent treatment	**0,92**	**0,92**	**0,92**
02 07 99	wastes not otherwise specified	N/A	**0,61**	**0,75**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
3	**WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PAPER, CARDBOARD, PULP, PANELS AND FURNITURE**				
03 01	**wastes from wood processing and the production of panels and furniture**				
03 01 01	waste bark and cork	Bark, Cork	**0,17**	**0,28**	**0,50**
03 01 04*	sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances	Chipboard, Sawdust, Sawdust - contaminated, Shavings - wood, Timber - treated Dust - sander, Hardboard, Wood, Wood cuttings	**0,37**	**0,47**	**0,65**
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04	Chipboard, Chairs - wooden, Sawdust, Sawdust - contaminated, Shavings – wood Timber - untreated, Dust - sander, Hardboard, Wood, Wood cuttings, Furniture - Off specification, redunant stock	**0,25**	**0,39**	**0,65**
03 01 99	wastes not otherwise specified	N/A	**0,24**	**0,44**	**0,83**
03 02	**wastes from wood preservation**				
03 02 01*	non-halogenated organic wood preservatives	Biocides, Fungicides, Preservatives	**0,76**	**0,83**	**0,90**
03 02 02*	organochlorinated wood preservatives	Biocides, Fungicides, Preservatives	**0,76**	**0,83**	**0,90**
03 02 03*	organometallic wood preservatives	Tributyltin waste, Wood preservatives - organometallic, Preservatives	**0,76**	**0,83**	**0,90**
03 02 04*	inorganic wood preservatives	Inorganic wood preservatives, Preservatives	**0,90**	**1,05**	**1,20**
03 02 05*	other wood preservatives containing dangerous substances	Preservatives	**0,76**	**0,83**	**0,90**
03 02 99	wood preservatives not otherwise specified	Preservatives	**0,69**	**0,76**	**0,83**
03 03	**wastes from pulp, paper and cardboard production and processing**				
03 03 01	waste bark and wood	Bark, Wood, Wood cuttings	**0,17**	**0,28**	**0,50**
03 03 02	green liquor sludge (from recovery of cooking liquor)	Paper sludge, Green liquor	**0,90**	**0,93**	**1,00**
03 03 05	de-inking sludges from paper recycling	Paper sludge, De-inking sludge	**0,90**	**1,05**	**1,30**
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard	Cardboard, Paper pulp, Paper pulp - de-inked, Paper	**0,90**	**0,92**	**0,95**
03 03 08	wastes from sorting of paper and cardboard destined for recycling	Cardboard, Newspaper, Tissues, Paper	**0,21**	**0,46**	**0,95**
03 03 09	lime mud waste	Lime - spent, Lime sludge	**1,17**	**1,17**	**1,17**
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation	Paper pulp, Paper pulp - de-inked, Paper - fibre	**0,90**	**0,97**	**1,10**
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10	Effluent treatment sludge - biological (dewatered), Sludge - biological dewatered effluent treatment	**0,92**	**0,98**	**1,10**
03 03 99	wastes not otherwise specified	N/A	**0,72**	**0,80**	**0,96**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
4	**WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**				
04 01	**wastes from the leather and fur industry**				
04 01 01	fleshings and lime split wastes	Animal hides, Animal hair, Hides - animal, Skins - animal	**0,83**	**0,89**	**1,00**
04 01 02	liming waste	Lime - spent, Lime sludge	**0,90**	**1,00**	**1,20**
04 01 03*	degreasing wastes containing solvents without a liquid phase	Degreaser compounds, Leather - degreasing waste, Fur - degreasing waste	**0,90**	**1,20**	**1,50**
04 01 04	tanning liquor containing chromium	Chromium compounds (trivalent), Tanning sludge	**0,90**	**0,93**	**1,00**
04 01 05	tanning liquor free of chromium	Tanning sludge	**0,90**	**0,93**	**1,00**
04 01 06	sludges, in particular from on-site effluent treatment containing chromium	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Tanning sludge, Sludge - settled	**0,92**	**1,01**	**1,20**
04 01 07	sludges, in particular from on-site effluent treatment free of chromium	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Tanning sludge, Sludge - settled	**0,92**	**0,93**	**0,95**
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium	Chromium compounds (trivalent), Leather, Leather (dyed) - dust, Leather cuttings	**0,21**	**0,31**	**0,50**
04 01 09	wastes from dressing and finishing	Animal hair, Leather, Leather cuttings, Textile - finishing waste	**0,50**	**0,57**	**0,75**
04 01 99	wastes not otherwise specified.	N/A	**0,72**	**0,83**	**1,03**
04 02	**wastes from the textile industry**				
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)	textiles	**0,12**	**0,21**	**0,40**
04 02 10	organic matter from natural products (for example grease, wax)	Animal grease, Oil - wool, Greases, Wool grease, Wool scouring sludge, Lanolin	**0,61**	**0,71**	**0,90**
04 02 14*	wastes from finishing containing organic solvents	Textile - finishing waste	**0,57**	**0,82**	**1,00**
04 02 15	wastes from finishing other than those mentioned in 04 02 14	Textile - finishing waste	**0,84**	**0,90**	**1,00**
04 02 16*	dyestuffs and pigments containing dangerous substances	Dyestuffs, Pigments	**0,36**	**0,77**	**1,17**
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16	Dyestuffs, Pigments	**0,36**	**0,63**	**1,17**
04 02 19*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled, Wool scouring sludge	**0,92**	**0,92**	**0,92**
04 02 20	sludges from on-site effluent treatment other than those	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge -	**0,92**	**0,92**	**0,92**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
	mentioned in 04 02 19	biological dewatered effluent treatment, Sludge - settled			
04 02 21	wastes from unprocessed textile fibres	Abaca tow, noils and yarn waste, Acrylic fibre, Animal hair, Carbon fibre, Cotton, Cotton wool, Cushions, Fibre - acrylic, Fibres - textile (unprocessed) - synthetic, N/o/s textiles, Polyester, Polymers - synthetic, Polymer wastes, Textile fibres (unprocessed)	**0,40**	**0,54**	**0,61**
04 02 22	wastes from processed textile fibres	Abaca tow, noils and yarn waste, Acrylic fibre, Carpets, Cotton, Cotton wool, Cushions, Fibre - acrylic, Fibres - textile (processed) - synthetic, Fibres man made, Synthetic fibre waste, Foam rubber, Jute, Linen, Silk waste, Textile fibres (processed) -	**0,17**	**0,25**	**0,40**
04 02 99	wastes not otherwise specified	N/A	**0,48**	**0,64**	**0,86**
5	**WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL**				
05 01	**wastes from petroleum refining**				
05 01 02*	desalter sludges	Sludge - contaminated, Sludge - crude oil desalter	**0,90**	**0,90**	**0,90**
05 01 03*	tank bottom sludges	Sludge - contaminated, Distillate tank cleaning residues	**0,90**	**1,10**	**1,30**
05 01 04*	acid alkyl sludges	Acid, Acids, Sludge - contaminated	**0,90**	**0,95**	**1,00**
05 01 05*	oil spills	Oil - refinery spillage	**0,90**	**0,90**	**0,90**
05 01 06*	oily sludges from maintenance operations of the plant or equipment	Sludge - contaminated	**0,90**	**1,05**	**1,20**
05 01 07*	acid tars	Acid tars - organic, Acid tars n/o/s, Acid tars, Acid, Acids, Tar residues	**0,90**	**1,05**	**1,20**
05 01 08*	other tars	Tar residues	**0,90**	**1,10**	**1,30**
05 01 09*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled	**0,92**	**0,92**	**0,92**
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled	**0,92**	**0,92**	**0,92**
05 01 11*	wastes from cleaning of fuels with bases	Fuel - Cleaning waste, Alkalies, Bases	**0,90**	**0,90**	**0,90**
05 01 12*	oil containing acids	Acid, Acids, Oil - acid cracking waste	**0,90**	**0,90**	**0,90**
05 01 13	boiler feedwater sludges	Feedwater sludge (petroleum refining)	**0,92**	**1,05**	**1,30**
05 01 14	wastes from cooling columns	Cooling column waste (petroleum refining)	**0,90**	**0,90**	**0,90**
05 01 15*	spent filter clays	Clay - contaminated, Filter clay	**0,42**	**1,01**	**1,60**
05 01 16	sulphur-containing wastes from petroleum desulphurisation	Sulphur	**0,90**	**1,10**	**1,50**
05 01 17	bitumen	Mastic, Bitumen	**0,90**	**1,03**	**1,30**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
05 01 99	wastes not otherwise specified		**0,83**	**0,97**	**1,15**
05 06	**wastes from the pyrolytic treatment of coal**				
05 06 01*	acid tars	Acid tars - organic, Acid tars n/o/s, Acid tars, Acid, Acids, Tar residues	**0,90**	**1,05**	**1,20**
05 06 03*	other tars	Tar residues	**0,90**	**1,10**	**1,30**
05 06 04	waste from cooling columns	Cooling column waste (coal treatment)	**0,90**	**0,90**	**0,90**
05 06 99	wastes not otherwise specified	N/A	**0,72**	**0,92**	**1,16**
05 07	**wastes from natural gas purification and transportation**				
05 07 01*	wastes containing mercury	Mercury waste and residues, Gas purification waste, Mercury compounds	**0,90**	**1,05**	**1,20**
05 07 02	wastes containing sulphur	Sulphur, Gas purification waste	**0,90**	**0,93**	**1,00**
05 07 99	wastes not otherwise specified	N/A	**0,66**	**0,87**	**1,23**
6	**WASTES FROM INORGANIC CHEMICAL PROCESSES**				
06 01	**wastes from the manufacture, formulation, supply and use (MFSU) of acids**				
06 01 01*	sulphuric acid and sulphurous acid	Acid, Acids, Sulphuric acid, Inorganic acids	**0,90**	**1,17**	**1,50**
06 01 02*	hydrochloric acid	Acid, Acids, Hydrochloric acid, Inorganic acids	**0,90**	**1,20**	**1,50**
06 01 03*	hydrofluoric acid	Acid, Acids, Inorganic acids, Hydrofluoric acid	**0,90**	**1,20**	**1,50**
06 01 04*	phosphoric and phosphorous acid	Acid, Acids, Inorganic acids, Phosphoric acid, Phosphorous acid	**0,90**	**1,20**	**1,50**
06 01 05*	nitric acid and nitrous acid	Acids, Inorganic acids, Nitric acid, Acid	**0,90**	**1,20**	**1,50**
06 01 06*	other acids	Acids, Acid	**0,90**	**0,90**	**0,90**
06 01 99	wastes not otherwise specified	N/A	**0,80**	**1,07**	**1,41**
06 02	**wastes from the MFSU of bases**				
06 02 01*	calcium hydroxide	Slaked lime (calcium hydroxide), Alkalies, Bases, Hydroxides	**0,90**	**1,20**	**1,50**
06 02 03*	ammonium hydroxide	Alkalies, Bases, Hydroxides	**0,80**	**0,85**	**0,90**
06 02 04*	sodium and potassium hydroxide	Potassium hydroxide, Sodium hydroxide, Alkalies, Bases, Hydroxides	**0,90**	**0,90**	**0,90**
06 02 05*	other bases	Caustic - fluoride, Caustic - sulphide, Alkalies, Bases	**0,90**	**0,98**	**1,03**
06 02 99	wastes not otherwise specified	N/A	**0,74**	**0,91**	**1,17**
06 03	**wastes from the MFSU of salts and their solutions and metallic oxides**				
06 03 11*	solid salts and solutions containing cyanides	Cyanides, Inorganic cyanides, Potassium cyanide, Sodium cyanide	**0,90**	**1,10**	**1,30**
06 03 13*	solid salts and solutions containing heavy metals	Bismuth compounds, Antimony compounds, Arsenic compounds, Cadmium compounds, Cobalt compounds, Copper compounds, Lead compounds, Mercury compounds, Molybdenum compounds, Mercury waste and residues, Nickel compounds, Selenium compounds, Tin compounds, Vanadium compounds	**0,90**	**1,13**	**1,50**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13	Magnesium compounds, Calcium sulphate	**0,79**	**1,02**	**1,50**
06 03 15*	metallic oxides containing heavy metals	Bismuth compounds, Antimony compounds, Arsenic compounds, Cadmium compounds, Cobalt compounds, Copper compounds, Lead compounds, Mercury compounds, Molybdenum compounds, Nickel compounds, Selenium compounds, Tin compounds, Vanadium compounds, Zinc compoun	**0,90**	**1,08**	**1,26**
06 03 16	metallic oxides other than those mentioned in 06 03 15	Magnesium compounds	**0,90**	**1,02**	**1,26**
06 03 99	wastes not otherwise specified	N/A	**0,76**	**1,01**	**1,39**
06 04	**metal-containing wastes other than those mentioned in 06 03**				
06 04 03*	wastes containing arsenic	Arsenic compounds	**0,90**	**1,10**	**1,30**
06 04 04*	wastes containing mercury	Mercury waste and residues, Mercury compounds	**0,90**	**1,20**	**1,50**
06 04 05*	wastes containing other heavy metals	Bismuth compounds, Bismuth waste and scrap, Antimony compounds, Arsenic compounds, Cadmium compounds, Cobalt compounds, Copper compounds, Lead compounds, Mercury compounds, Molybdenum compounds, Nickel compounds, Selenium compounds, Tin compounds, Vanadiu	**0,90**	**1,06**	**1,30**
06 04 99	wastes not otherwise specified	N/A	**0,72**	**1,02**	**1,35**
06 05	**sludges from on-site effluent treatment**				
06 05 02*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled	**0,92**	**0,92**	**0,92**
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled	**0,92**	**0,92**	**0,92**
06 06	**wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes**				
06 06 02*	wastes containing dangerous sulphides	Sulphides	**0,90**	**1,20**	**1,50**
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02	Sulphides	**0,90**	**1,10**	**1,50**
06 06 99	wastes not otherwise specified		**0,66**	**0,94**	**1,39**
06 07	**wastes from the MFSU of halogens and halogen chemical processes**				
06 07 01*	wastes containing asbestos from electrolysis	Asbestos	**0,90**	**1,23**	**1,50**
06 07 02*	activated carbon from chlorine production	Carbon (activated) - contaminated, Carbon - activated, Carbon, Activated carbon, Activated carbon - contaminated	**0,24**	**0,47**	**0,70**
06 07 03*	barium sulphate sludge containing mercury	Mercury waste and residues, Sludge - contaminated	**0,90**	**1,20**	**1,50**
06 07 04*	solutions and acids, for example contact acid	Acids, Inorganic acids, Acid	**0,90**	**0,90**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
06 07 99	wastes not otherwise specified	N/A	**0,62**	**0,88**	**1,22**
06 08	**wastes from the MFSU of silicon and silicon derivatives**				
06 08 02*	wastes containing chlorosilanes	Chlorosilanes	**0,90**	**0,90**	**0,90**
06 08 99	wastes not otherwise specified	N/A	**0,19**	**0,62**	**1,50**
06 09	**wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes**				
06 09 02	phosphorous slag	Furnace slag, Phosphorus slag	**1,07**	**1,22**	**1,50**
06 09 03*	calcium-based reaction wastes containing or contaminated with dangerous substances	Calcium based reaction residue	**0,90**	**1,20**	**1,50**
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03	Calcium based reaction residue	**0,90**	**1,10**	**1,50**
06 09 99	wastes not otherwise specified	N/A	**0,76**	**0,93**	**1,17**
06 10	**wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture**				
06 10 02*	wastes containing dangerous substances	Fertiliser waste	**0,90**	**1,10**	**1,30**
06 10 99	wastes not otherwise specified	N/A	**0,54**	**0,83**	**1,30**
06 11	**wastes from the manufacture of inorganic pigments and opacificiers**				
06 11 01	calcium-based reaction wastes from titanium dioxide production	Titanium filter cake, Calcium based reaction residue	**0,90**	**0,99**	**1,17**
06 11 99	wastes not otherwise specified	N/A	**0,87**	**0,97**	**1,17**
06 13	**wastes from inorganic chemical processes not otherwise specified**				
06 13 01*	inorganic plant protection products, wood-preserving agents and other biocides.	Biocides, Inorganic wood preservatives, Fungicides, Herbicides, Pesticides, Preservatives	**0,76**	**0,83**	**0,90**
06 13 02*	spent activated carbon (except 06 07 02)	Carbon (activated) - contaminated, Carbon - activated, Carbon, Activated carbon, Activated carbon - contaminated	**0,24**	**0,58**	**0,80**
06 13 03	carbon black	Carbon black, Carbon	**0,24**	**0,36**	**0,60**
06 13 04*	wastes from asbestos processing	Asbestos, Asbestos - fibrous, Dust - asbestos	**0,35**	**0,93**	**1,50**
06 13 05*	soot	Soot	**0,24**	**0,24**	**0,24**
06 13 99	wastes not otherwise specified	N/A	**0,33**	**0,58**	**0,84**
7	**WASTES FROM ORGANIC CHEMICAL PROCESSES**				
07 01	**wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**				
07 01 01*	aqueous washing liquids and mother liquors	Acetic acid, Acid - acetic, Aldehydes, Chemical production liquors, Mother liquors	**0,90**	**1,30**	**1,70**
07 01 03*	organic halogenated solvents, washing liquids and mother liquors	Carbon teterachloride, Chlorinated solvents (mixed), Halogenated organics n/o/s, Chemical production liquors, Mother liquors	**0,90**	**0,93**	**0,95**
07 01 04*	other organic solvents, washing liquids and mother liquors	Chemical production liquors, Mother liquors	**0,89**	**0,90**	**0,90**
07 01 07*	halogenated still bottoms and reaction residues	Halogenated organics n/o/s, Distillation residues	**0,90**	**0,94**	**0,96**
07 01 08*	other still bottoms and reaction residues	Aldehydes, Distillation residues	**0,90**	**0,92**	**0,95**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
07 01 09*	halogenated filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Halogenated organics n/o/s	**0,50**	**0,70**	**0,91**
07 01 10*	other filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Gypsum (calcium sulphate)	**0,33**	**0,51**	**0,70**
07 01 11*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled	**0,92**	**0,92**	**0,92**
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled	**0,92**	**0,92**	**0,92**
07 01 99	wastes not otherwise specified	N/A	**0,73**	**0,86**	**1,02**
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**				
07 02 01*	aqueous washing liquids and mother liquors	Chemical production liquors, Mother liquors	**0,90**	**1,00**	**1,10**
07 02 03*	organic halogenated solvents, washing liquids and mother liquors	Carbon teterachloride, Chlorinated solvents (mixed), Halogenated organics n/o/s, Chemical production liquors, Mother liquors	**0,90**	**0,93**	**0,95**
07 02 04*	other organic solvents, washing liquids and mother liquors	Chemical production liquors, Mother liquors	**0,89**	**0,90**	**0,90**
07 02 07*	halogenated still bottoms and reaction residues	Halogenated organics n/o/s, Distillation residues	**0,90**	**0,94**	**0,96**
07 02 08*	other still bottoms and reaction residues	Distillation residues	**0,90**	**0,92**	**0,96**
07 02 09*	halogenated filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Halogenated organics n/o/s	**0,50**	**0,70**	**0,91**
07 02 10*	other filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s	**0,42**	**0,54**	**0,70**
07 02 11*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled	**0,92**	**0,92**	**0,92**
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled	**0,92**	**0,92**	**0,92**
07 02 13	waste plastic	Low density polyethylene, Cling film, Acrylate copolymers, Acrylonitrile copolymer, Baled plastic waste, Cellophane - dry, Copolymers - acrylate, Film - plastic, Laminates - plastic, Latex, Latex and rubber (mixed), High density polyethylene, Mixed plasti	**0,14**	**0,35**	**0,90**
07 02 14*	wastes from additives containing dangerous substances	Rubber and fibre additives	**0,90**	**0,90**	**0,90**
07 02 15	wastes from additives other than those mentioned in 07 02 14	Rubber and fibre additives	**0,90**	**0,90**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
07 02 16*	wastes containing silicones	Polysiloxanes (silicones)	**0,90**	**0,90**	**0,90**
07 02 17	wastes containing silicones other than those mentioned in 07 02 16		**0,90**	**0,90**	**0,90**
07 02 99	wastes not otherwise specified	N/A	**0,75**	**0,81**	**0,92**
07 03	**wastes from the MFSU of organic dyes and pigments (except 06 11)**				
07 03 01*	aqueous washing liquids and mother liquors	Chemical production liquors, Mother liquors	**0,90**	**1,00**	**1,10**
07 03 03*	organic halogenated solvents, washing liquids and mother liquors	Carbon teterachloride, Chlorinated solvents (mixed), Halogenated organics n/o/s, Chemical production liquors, Mother liquors	**0,90**	**0,93**	**0,95**
07 03 04*	other organic solvents, washing liquids and mother liquors	Chemical production liquors, Mother liquors	**0,89**	**0,90**	**0,90**
07 03 07*	halogenated still bottoms and reaction residues	Halogenated organics n/o/s, Distillation residues	**0,90**	**0,94**	**0,96**
07 03 08*	other still bottoms and reaction residues	Distillation residues	**0,90**	**0,92**	**0,95**
07 03 09*	halogenated filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Halogenated organics matter	**0,50**	**0,70**	**0,91**
07 03 10*	other filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Gypsum (calcium sulphate)	**0,50**	**0,70**	**0,91**
07 03 11*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled	**0,92**	**0,92**	**0,92**
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled	**0,92**	**0,92**	**0,92**
07 03 99	wastes not otherwise specified	N/A	**0,75**	**0,84**	**0,97**
07 04	**wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides**				
07 04 01*	aqueous washing liquids and mother liquors	Chemical production liquors, Biocide production waste, Mother liquors	**0,90**	**1,00**	**1,10**
07 04 03*	organic halogenated solvents, washing liquids and mother liquors	Chlorinated solvents (mixed), Halogenated organics n/o/s, Chemical production liquors, Biocide production waste, Mother liquors	**0,90**	**0,93**	**0,95**
07 04 04*	other organic solvents, washing liquids and mother liquors	Chemical production liquors, Biocide production waste, Mother liquors	**0,89**	**0,90**	**0,90**
07 04 07*	halogenated still bottoms and reaction residues	Halogenated organics n/o/s, Distillation residues, Biocide production waste	**0,90**	**0,94**	**0,96**
07 04 08*	other still bottoms and reaction residues	Distillation residues, Biocide production waste	**0,90**	**0,92**	**0,95**
07 04 09*	halogenated filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Halogenated organics n/o/s, Biocide production waste	**0,50**	**0,70**	**0,91**
07 04 10*	other filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Gypsum	**0,42**	**0,54**	**0,70**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		(calcium sulphate), Biocide production waste			
07 04 11*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled, Biocide production waste	**0,92**	**0,92**	**0,92**
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled, Biocide production waste	**0,92**	**0,92**	**0,92**
07 04 13*	solid wastes containing dangerous substances	Biocide production waste	**0,40**	**0,40**	**0,40**
07 04 99	wastes not otherwise specified	N/A	**0,71**	**0,78**	**0,86**
07 05	**wastes from the MFSU of pharmaceuticals**				
07 05 01*	aqueous washing liquids and mother liquors	Pharmaceutical waste, Chemical production liquors, Mother liquors,	**0,90**	**1,00**	**1,10**
07 05 03*	organic halogenated solvents, washing liquids and mother liquors	Carbon teterachloride, Chlorinated solvents (mixed), Pharmaceutical waste, Halogenated organics n/o/s, Mother liquors, Chemical production liquors	**0,90**	**0,93**	**0,95**
07 05 04*	other organic solvents, washing liquids and mother liquors	Pharmaceutical waste, Mother liquors, Chemical production liquors	**0,89**	**0,90**	**0,90**
07 05 07*	halogenated still bottoms and reaction residues	Pharmaceutical waste, Halogenated organics n/o/s, Distillation residues	**0,90**	**0,94**	**0,96**
07 05 08*	other still bottoms and reaction residues	Pharmaceutical waste, Distillation residues	**0,90**	**0,92**	**0,95**
07 05 09*	halogenated filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Pharmaceutical waste, Halogenated organics n/o/s	**0,50**	**0,70**	**0,91**
07 05 10*	other filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Gypsum (calcium sulphate), Pharmaceutical waste	**0,42**	**0,54**	**0,70**
07 05 11*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Pharmaceutical waste, Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated sludge settled,	**0,92**	**0,92**	**0,92**
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11	Effluent treatment sludge - biological (dewatered), Pharmaceutical waste, Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled	**0,92**	**0,92**	**0,92**
07 05 13*	solid wastes containing dangerous substances	Drugs - controlled, Drugs - cytotoxic, Drugs - prescribed, Pharmaceutical waste	**0,40**	**0,40**	**0,40**
07 05 14	solid wastes other than those mentioned in 07 05 13	Drugs - controlled, Drugs - cytotoxic, Drugs - prescribed, Pharmaceutical waste	**0,90**	**0,90**	**0,90**
07 05 99	wastes not otherwise specified	N/A	**0,73**	**0,78**	**0,84**
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**				
07 06 01*	aqueous washing liquids and mother liquors	Mother liquors, Chemical production liquors	**0,90**	**0,95**	**1,00**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
07 06 03*	organic halogenated solvents, washing liquids and mother liquors	Carbon teterachloride, Chlorinated solvents (mixed), Halogenated organics n/o/s, Mother liquors, Chemical production liquors	**0,90**	**0,93**	**0,95**
07 06 04*	other organic solvents, washing liquids and mother liquors	Mother liquors, Chemical production liquors	**0,89**	**0,90**	**0,90**
07 06 07*	halogenated still bottoms and reaction residues	Halogenated organics n/o/s, Distillation residues	**0,90**	**0,94**	**0,96**
07 06 08*	other still bottoms and reaction residues	Distillation residues	**0,90**	**0,92**	**0,95**
07 06 09*	halogenated filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Halogenated organics n/o/s	**0,50**	**0,70**	**0,91**
07 06 10*	other filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Gypsum (calcium sulphate)	**0,42**	**0,54**	**0,70**
07 06 11*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled	**0,92**	**0,92**	**0,92**
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled	**0,92**	**0,92**	**0,92**
07 06 99	wastes not otherwise specified	N/A	**0,75**	**0,81**	**0,90**
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**				
07 07 01*	aqueous washing liquids and mother liquors	Mother liquors, Chemical production liquors	**0,90**	**1,00**	**1,10**
07 07 03*	organic halogenated solvents, washing liquids and mother liquors	Carbon teterachloride, Chlorinated solvents (mixed), Halogenated organics n/o/s, Mother liquors, Chemical production liquors	**0,90**	**0,93**	**0,95**
07 07 04*	other organic solvents, washing liquids and mother liquors	Alcohols, Mother liquors, Chemical production liquors	**0,89**	**0,90**	**0,90**
07 07 07*	halogenated still bottoms and reaction residues	Halogenated organics n/o/s, Distillation residues	**0,90**	**0,94**	**0,96**
07 07 08*	other still bottoms and reaction residues	Distillation residues	**0,61**	**0,82**	**0,95**
07 07 09*	halogenated filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Halogenated organics n/o/s	**0,50**	**0,70**	**0,91**
07 07 10*	other filter cakes and spent absorbents	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Gypsum (calcium sulphate)	**0,42**	**0,54**	**0,70**
07 07 11*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - contaminated, Sludge - settled	**0,92**	**0,92**	**0,92**
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled	**0,92**	**0,92**	**0,92**
07 07 99	wastes not otherwise specified	N/A	**0,71**	**0,78**	**0,85**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
8	**WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**				
08 01	**wastes from MFSU and removal of paint and varnish**				
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances	Coatings - paint (PVC), Epoxy/polyester powder paint, Lacquer, Non-halogenated paint waste, Paint - halogenated, Paint - non-halogenated, Paint - oil based, Paint - solvent based, Paint - solvent based, Paint coatings - PVC, Paints/Polyurethane (non- halogenated)	**0,57**	**0,61**	**0,70**
08 01 12	waste paint and varnish other than those mentioned in 08 01 11	Lacquer, Non-halogenated paint waste, Paint - non-halogenated, Paint - water based, Paint powders, Paints/Polyurethane (non-halogenated solvents), Powders - paint, Spray booth waste (paint), Varnish	**0,70**	**0,79**	**0,84**
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances	Epoxy/polyester powder paint, Sludge - contaminated, Spray booth waste (paint)	**0,90**	**1,00**	**1,20**
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13	Spray booth waste (paint)	**0,90**	**1,00**	**1,20**
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	Paint sludge (water based), Sludge - contaminated	**0,90**	**1,05**	**1,20**
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	Paint sludge (water based)	**0,90**	**1,00**	**1,20**
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances	Coatings - paint (PVC), Strippings using methylene chloride, Lacquer, Non-halogenated paint waste, Paint - halogenated, Paint - non-halogenated, Paint - oil based, Paint - solvent based, Paint - solvent based, Paint coatings - PVC, Paints/Polyurethane	**0,57**	**0,88**	**1,20**
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17	Strippings using methylene chloride, Lacquer, Non-halogenated paint waste, Paint - non-halogenated, Paint - water based, Paints/Polyurethane (non-halogenated solvents), Varnish	**0,57**	**0,57**	**0,57**
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	Paint - aqueous suspensions	**0,70**	**0,90**	**1,10**
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19	Paint - aqueous suspensions	**0,70**	**0,90**	**1,10**
08 01 21*	waste paint or varnish remover	Paint remover, varnish remover	**0,90**	**0,90**	**0,90**
08 01 99	wastes not otherwise specified	N/A	**0,71**	**0,84**	**1,00**
08 02	**wastes from MFSU of other coatings (including ceramic materials)**				
08 02 01	waste coating powders	Enamels, Paint powders, Powders - paint	**0,36**	**0,84**	**1,45**
08 02 02	aqueous sludges containing ceramic materials	Ceramics	**0,90**	**1,10**	**1,50**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
08 02 03	aqueous suspensions containing ceramic materials	Ceramics	**0,90**	**1,18**	**1,75**
08 02 99	wastes not otherwise specified	N/A	**0,59**	**0,83**	**1,22**
08 03	**wastes from MFSU of printing inks**				
08 03 07	aqueous sludges containing ink	Ink sludge, Ink - non-halogenated	**0,90**	**0,98**	**1,15**
08 03 08	aqueous liquid waste containing ink	Ink sludge, Ink - non-halogenated	**0,90**	**0,98**	**1,15**
08 03 12*	waste ink containing dangerous substances	Ink - halogenated, Ink - non-halogenated, UV curing inks	**0,57**	**0,86**	**1,15**
08 03 13	waste ink other than those mentioned in 08 03 12	Ink - non-halogenated, Ink - water based, UV curing inks	**0,90**	**0,98**	**1,15**
08 03 14*	ink sludges containing dangerous substances	Ink - halogenated, Ink - non-halogenated, Sludge - contaminated, Ink sludge	**0,90**	**1,03**	**1,15**
08 03 15	ink sludges other than those mentioned in 08 03 14	Ink - non-halogenated, Ink - water based, Ink sludge	**0,90**	**0,98**	**1,15**
08 03 16*	waste etching solutions	Formic acid, Etching acid	**0,90**	**0,90**	**0,90**
08 03 17*	waste printing toner containing dangerous substances	Cartridges (ink jet printer) remanufacturing residues, Cartridges (laser printer) remanufacturing residues, Cartridges - toner, Laser printer cartridges remanufacturing residues, Ink jet printer cartridges remanufacturing residues, Toner cartridges	**0,30**	**0,33**	**0,36**
08 03 18	waste printing toner other than those mentioned in 08 03 17	Cartridges (ink jet printer) remanufacturing residues, Cartridges (laser printer) remanufacturing residues, Cartridges - toner, Laser printer cartridges remanufacturing residues, Ink jet printer cartridges remanufacturing residues, Toner cartridges	**0,30**	**0,34**	**0,36**
08 03 19*	disperse oil	Oil -disperse	**0,90**	**0,90**	**0,90**
08 03 99	wastes not otherwise specified	N/A	**0,68**	**0,79**	**0,95**
08 04	**wastes from MFSU of adhesives and sealants (including waterproofing products)**				
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances	Adhesives - non-halogenated, Adhesives - solvent based, Amino resins, Glue epoxy-based, Epoxy resin, Glue waste - casein based, Halogenated adhesives, Non- halogenated adhesives, Non-halogenated sealants, Polyvinyl acetate, Resins - epoxy, Rubber adhesiv	**0,93**	**0,97**	**1,00**
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	Adhesives - non-halogenated, Amino resins, Adhesives - water-based, Glue waste - animal based, Epoxy resin, Glue waste - casein based, Hardened adhesives, Hardened sealants, Non-halogenated adhesives, Non-halogenated sealants, Hot melt - adhesives, Resins	**0,93**	**0,99**	**1,10**
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances	Adhesives - solvent based, Glue - epoxy-based, Epoxy resin, Halogenated adhesives, Resins - epoxy, Sludge - contaminated	**0,90**	**0,95**	**1,00**
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11	Epoxy resin, Resins - epoxy	**0,90**	**0,97**	**1,10**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances	Adhesives - solvent based, Glue - epoxy-based, Sludge - contaminated	**0,90**	**0,95**	**1,00**
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13	To follow	**0,90**	**0,93**	**1,00**
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances	Adhesives - solvent based, Glue - epoxy-based	**0,90**	**1,00**	**1,10**
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15	To follow	**0,90**	**0,97**	**1,10**
08 04 17*	rosin oil	To follow	**0,90**	**0,90**	**0,90**
08 04 99	wastes not otherwise specified	N/A	**0,86**	**0,90**	**0,97**
08 05	**wastes not otherwise specified in 08**				
08 05 01*	waste isocyanates	Isocyanates	**0,81**	**0,81**	**0,81**
9	**WASTES FROM THE PHOTOGRAPHIC INDUSTRY**				
09 01	**wastes from the photographic industry**				
09 01 01*	water-based developer and activator solutions	Photographic chemicals	**0,90**	**0,94**	**0,97**
09 01 02*	water-based offset plate developer solutions	Photographic chemicals	**0,90**	**0,94**	**0,97**
09 01 03*	solvent-based developer solutions	Photographic chemicals, Solvent-based photographic developer	**0,81**	**0,89**	**0,97**
09 01 04*	fixer solutions	Fixer - photographic, Photographic chemicals	**0,97**	**1,00**	**1,02**
09 01 05*	bleach solutions and bleach fixer solutions	Chlorates, Fixer - photographic, Photographic chemicals	**0,90**	**0,94**	**0,97**
09 01 06*	wastes containing silver from on-site treatment of photographic wastes	Photographic chemicals, Silver - scrap, Silver compounds	**0,17**	**0,17**	**0,17**
09 01 07	photographic film and paper containing silver or silver compounds	Paper - photographic, Photographic paper, Silver - scrap, Silver compounds	**0,21**	**0,32**	**0,55**
09 01 08	photographic film and paper free of silver or silver compounds	Paper - photographic, Photographic paper	**0,21**	**0,32**	**0,55**
09 01 10	single-use cameras without batteries	Cameras - single use	**0,17**	**0,17**	**0,17**
09 01 11*	single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03	Cameras - single use	**0,17**	**0,17**	**0,17**
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11	Cameras - single use	**0,17**	**0,48**	**1,10**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
09 01 13*	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06	Photographic chemicals, Silver - scrap, Silver compounds	**0,90**	**0,90**	**0,90**
09 01 99	wastes not otherwise specified	N/A	**0,51**	**0,58**	**0,69**
10	**WASTES FROM THERMAL PROCESSES**				
10 01	**wastes from power stations and other combustion plants (except 19)**				
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	Ash - bottom, Ash - pulverised fuel (PFA), PFA, Dust - furnace (foundries), Foundry furnace ash, Furnace ash (foundries), Furnace bottom ash, Furnace slag, Slags - n/o/s	**0,46**	**0,54**	**0,70**
10 01 02	coal fly ash	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat	**0,59**	**0,72**	**1,00**
10 01 03	fly ash from peat and untreated wood	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat, Peat	**0,59**	**0,72**	**1,00**
10 01 04*	oil fly ash and boiler dust	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat, Dust - flue gas, Dust - furnace (foundries), Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries), Oil fly ash	**0,59**	**0,79**	**1,00**
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form	Calcium based reaction residue	**0,90**	**1,00**	**1,20**
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form	Calcium based reaction residue	**0,90**	**0,97**	**1,10**
10 01 09*	sulphuric acid	Acids, Sulphuric acid, Inorganic acids, Acid	**0,90**	**1,20**	**1,50**
10 01 13*	fly ash from emulsified hydrocarbons used as fuel	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat	**0,59**	**0,59**	**0,59**
10 01 14*	bottom ash, slag and boiler dust from co-incineration containing dangerous substances	Ash - bottom, Ash - pulverised fuel (PFA), PFA, Dust - furnace (foundries), Foundry furnace ash, Furnace ash (foundries), Furnace bottom ash, Furnace slag, Slags - n/o/s	**0,46**	**0,58**	**0,70**
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14	Ash - bottom, Ash - pulverised fuel (PFA), PFA, Dust - furnace (foundries), Foundry furnace ash, Furnace ash (foundries), Furnace bottom ash, Furnace slag, Slags - n/o/s	**0,46**	**0,54**	**0,70**
10 01 16*	fly ash from co-incineration containing dangerous substances	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat	**0,59**	**0,79**	**1,00**
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat	**0,59**	**0,72**	**1,00**
10 01 18*	wastes from gas cleaning containing dangerous substances	Landfill gas condensate	**0,90**	**1,03**	**1,16**
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18	Landfill gas condensate	**0,90**	**0,99**	**1,16**
10 01 20*	sludges from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment,	**0,92**	**0,96**	**1,00**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		Sludge - contaminated, Sludge - settled			
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20	Effluent treatment sludge - biological (dewatered), Settled sludge, Sludge - biological dewatered effluent treatment, Sludge - settled	**0,92**	**0,95**	**1,00**
10 01 22*	aqueous sludges from boiler cleansing containing dangerous substances	Sludge - contaminated, Boiler cleaning sludge	**0,90**	**1,10**	**1,30**
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22	Boiler cleaning sludge	**0,90**	**1,03**	**1,30**
10 01 24	sands from fluidised beds	Sand	**1,17**	**1,17**	**1,17**
10 01 25	wastes from fuel storage and preparation of coal-fired power plants	To follow	**0,60**	**0,60**	**0,60**
10 01 26	wastes from cooling-water treatment	Cooling water (not containing oil)	**0,90**	**0,90**	**0,90**
10 01 99	wastes not otherwise specified	N/A	**0,72**	**0,83**	**1,00**
10 02	**wastes from the iron and steel industry**				
10 02 01	wastes from the processing of slag	Blast furnace slag, Furnace slag, Slag - blast furnace, Slag - furnace, Slag from iron and steel manufacture	**1,08**	**1,12**	**1,21**
10 02 02	unprocessed slag	Blast furnace slag, Furnace slag, Road metal, Slag - blast furnace, Slag - furnace, Slag from iron and steel manufacture	**1,08**	**1,32**	**1,80**
10 02 07*	solid wastes from gas treatment containing dangerous substances	Gas treatment waste	**0,74**	**2,43**	**4,13**
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07	Gas treatment waste	**0,74**	**1,87**	**4,13**
10 02 10	mill scales	Mill scales	**1,26**	**1,98**	**4,13**
10 02 11*	wastes from cooling-water treatment containing oil	Water/oil mixtures, Cooling water (containing oil)	**0,90**	**0,90**	**0,90**
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11	To follow	**0,90**	**0,90**	**0,90**
10 02 13*	sludges and filter cakes from gas treatment containing dangerous substances	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Sludge - contaminated, Sludge - ferric	**0,90**	**1,25**	**1,60**
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13	Filter cake - dewatered, Filter cake n/o/s, Sludge - ferric	**0,90**	**1,13**	**1,60**
10 02 15	other sludges and filter cakes	Filter cake - dewatered, Filter cake n/o/s, Sludge - ferric	**0,90**	**1,18**	**1,75**
10 02 99	wastes not otherwise specified	N/A	**0,87**	**1,35**	**2,18**
10 03	**wastes from aluminium thermal metallurgy**				
10 03 02	anode scraps	Anode scraps	**0,24**	**0,66**	**1,50**
10 03 04	primary production slags	Aluminium dross (thermal metallurgy), Aluminium slags, Furnace slag, Slags - aluminium	**1,08**	**1,44**	**1,80**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
10 03 05	waste alumina	Activated alumina, Alumina, Aluminium dross (thermal metallurgy)	**1,10**	**1,15**	**1,17**
10 03 08*	salt slags from secondary production	Furnace slag, Slags - aluminium	**1,08**	**1,44**	**1,80**
10 03 09*	black drosses from secondary production	Aluminium dross (thermal metallurgy), Dross - aluminium (thermal metallurgy)	**0,44**	**1,12**	**1,80**
10 03 15*	skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities	Aluminium skimmings, Dross - aluminium (thermal metallurgy)	**0,44**	**1,12**	**1,80**
10 03 16	skimmings other than those mentioned in 10 03 15	Aluminium dross (thermal metallurgy), Aluminium skimmings, Dross - aluminium	**0,44**	**0,89**	**1,80**
10 03 17*	tar-containing wastes from anode manufacture	Tar residues, Anode scraps	**0,90**	**1,23**	**1,80**
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17	Carbon, Anode scraps	**0,24**	**0,82**	**1,80**
10 03 19*	flue-gas dust containing dangerous substances	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**1,07**	**1,40**
10 03 20	flue-gas dust other than those mentioned in 10 03 19	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**0,96**	**1,40**
10 03 21*	other particulates and dust (including ball-mill dust) containing dangerous substances	Dust - grinding, Ball mill dust	**0,68**	**0,68**	**0,68**
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21	Dust - grinding, Ball mill dust mlina	**0,68**	**0,68**	**0,68**
10 03 23*	solid wastes from gas treatment containing dangerous substances	Gas treatment waste	**0,74**	**1,07**	**1,40**
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23	Gas treatment waste	**0,74**	**0,96**	**1,40**
10 03 25*	sludges and filter cakes from gas treatment containing dangerous substances	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Sludge - contaminated	**0,90**	**1,35**	**1,80**
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25	Filter cake - dewatered, Filter cake n/o/s	**0,90**	**1,20**	**1,80**
10 03 27*	wastes from cooling-water treatment containing oil	Water/oil mixtures, Cooling water (containing oil)	**0,90**	**0,90**	**0,90**
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27	Cooling water (not containing oil)	**0,90**	**0,90**	**0,90**
10 03 29*	wastes from treatment of salt slags and black drosses containing dangerous substances	Furnace slag	**1,08**	**1,19**	**1,30**
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29	Furnace slag	**1,08**	**1,15**	**1,30**
10 03 99	wastes not otherwise specified	N/A	**0,74**	**1,04**	**1,45**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
10 04	**wastes from lead thermal metallurgy**				
10 04 01*	slags from primary and secondary production	Lead slags, Furnace slag	**1,08**	**1,44**	**1,80**
10 04 02*	dross and skimmings from primary and secondary production	Dross - lead (thermal metallurgy), Lead dross (thermal metallurgy)	**1,76**	**1,78**	**1,80**
10 04 03*	calcium arsenate	Arsenic compounds	**0,90**	**0,90**	**0,90**
10 04 04*	flue-gas dust	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**1,07**	**1,40**
10 04 05*	other particulates and dust	To follow	**0,74**	**1,82**	**2,90**
10 04 06*	solid wastes from gas treatment	Gas treatment waste	**0,74**	**1,07**	**1,40**
10 04 07*	sludges and filter cakes from gas treatment	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Sludge - contaminated	**0,90**	**1,35**	**1,80**
10 04 09*	wastes from cooling-water treatment containing oil	Water/oil mixtures, Cooling water (containing oil)	**0,90**	**0,90**	**0,90**
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09	Cooling water (not containing oil)	**0,90**	**0,90**	**0,90**
10 04 99	wastes not otherwise specified	N/A	**0,88**	**1,24**	**1,67**
10 05	**wastes from zinc thermal metallurgy**				
10 05 01	slags from primary and secondary production	Furnace slag, Slags - zinc, Zinc blast furnace slag, Zinc slags	**1,08**	**1,32**	**1,80**
10 05 03*	flue-gas dust	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**1,07**	**1,40**
10 05 04	other particulates and dust	To follow	**0,74**	**1,64**	**3,43**
10 05 05*	solid waste from gas treatment	Gas treatment waste	**0,74**	**1,07**	**1,40**
10 05 06*	sludges and filter cakes from gas treatment	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Sludge - contaminated	**0,90**	**1,35**	**1,80**
10 05 08*	wastes from cooling-water treatment containing oil	Water/oil mixtures, Cooling water (containing oil)	**0,90**	**0,90**	**0,90**
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08	To follow	**0,90**	**0,90**	**0,90**
10 05 10*	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities	Dross - zinc (thermal metallurgy), Scrap zinc, Zinc dross (thermal metallurgy)	**1,18**	**1,18**	**1,18**
10 05 11	dross and skimmings other than those mentioned in 10 05 10	Dross - zinc (thermal metallurgy), Scrap zinc, Zinc dross (thermal metallurgy)	**1,18**	**1,18**	**1,18**
10 05 99	wastes not otherwise specified	N/A	**0,85**	**1,19**	**1,74**
10 06	**wastes from copper thermal metallurgy**				
10 06 01	slags from primary and secondary production	Copper slags, Furnace slag	**1,08**	**1,32**	**1,80**
10 06 02	dross and skimmings from primary and secondary	Copper dross (thermal metallurgy), Dross - copper (thermal metallurgy), Skimmings	**1,11**	**1,11**	**1,11**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
	production	- copper (thermal metallurgy)			
10 06 03*	flue-gas dust	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**1,07**	**1,40**
10 06 04	other particulates and dust	Copper ashes and residues	**0,74**	**0,74**	**0,74**
10 06 06*	solid wastes from gas treatment	Gas treatment waste	**0,74**	**1,27**	**1,80**
10 06 07*	sludges and filter cakes from gas treatment	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Sludge - contaminated	**0,90**	**1,15**	**1,40**
10 06 09*	wastes from cooling-water treatment containing oil	Water/oil mixtures, Cooling water (containing oil)	**0,90**	**0,90**	**0,90**
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09	Cooling water (not containing oil)	**0,90**	**0,90**	**0,90**
10 06 99	wastes not otherwise specified	N/A	**0,81**	**1,06**	**1,41**
10 07	**wastes from silver, gold and platinum thermal metallurgy**				
10 07 01	slags from primary and secondary production	Furnace slag, Silver slags, Gold slags	**1,08**	**1,32**	**1,80**
10 07 02	dross and skimmings from primary and secondary production	Dross - silver (thermal metallurgy), Silver dross (thermal metallurgy), Silver skimmings (thermal metallurgy), Gold skimmings (thermal metallurgy)	**1,76**	**1,76**	**1,76**
10 07 03	solid wastes from gas treatment	Gas treatment waste	**0,74**	**0,96**	**1,40**
10 07 04	other particulates and dust	Precious metal dust	**0,74**	**0,74**	**0,74**
10 07 05	sludges and filter cakes from gas treatment	Filter cake - dewatered, Filter cake n/o/s	**0,90**	**1,20**	**1,80**
10 07 07*	wastes from cooling-water treatment containing oil	Water/oil mixtures, Cooling water (containing oil)	**0,90**	**0,90**	**0,90**
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07	Cooling water (not containing oil)	**0,90**	**0,90**	**0,90**
10 07 99	wastes not otherwise specified	N/A	**0,90**	**1,11**	**1,50**
10 08	**wastes from other non-ferrous thermal metallurgy**				
10 08 04*	particulates and dust	To follow	**0,74**	**0,93**	**1,30**
10 08 08*	salt slag from primary and secondary production	To follow	**1,08**	**1,44**	**1,80**
10 08 09*	other slags	Furnace slag	**1,08**	**1,32**	**1,80**
10 08 10*	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities	Dross - magnesium	**0,44**	**1,12**	**1,80**
10 08 11	dross and skimmings other than those mentioned in 10 08 10	Dross - magnesium	**0,44**	**0,89**	**1,80**
10 08 12*	tar-containing wastes from anode manufacture	Tar residues, Anode scraps	**0,90**	**0,90**	**0,90**
10 08 13	carbon-containing wastes from anode manufacture other than	Carbon, Anode scraps	**0,24**	**0,24**	**0,24**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
	those mentioned in 10 08 12				
10 08 14	anode scrap	Anode scraps	**0,24**	**0,24**	**0,24**
10 08 15*	flue-gas dust containing dangerous substances	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**1,07**	**1,40**
10 08 16	flue-gas dust other than those mentioned in 10 08 15	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**0,96**	**1,40**
10 08 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Sludge contaminated	**0,90**	**1,35**	**1,80**
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17	Filter cake - dewatered, Filter cake n/o/s	**0,90**	**1,20**	**1,80**
10 08 19*	wastes from cooling-water treatment containing oil	Water/oil mixtures, Cooling water (containing oil)	**0,90**	**0,90**	**0,90**
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19	Cooling water (not containing oil)	**0,90**	**0,90**	**0,90**
10 08 99	wastes not otherwise specified	N/A	**0,69**	**0,97**	**1,38**
10 09	**wastes from casting of ferrous pieces**				
10 09 03	furnace slag	Blast furnace slag, Furnace slag	**1,08**	**1,32**	**1,80**
10 09 05*	casting cores and moulds which have not undergone pouring containing dangerous substances	Foundry sand - non-phenolic, Foundry sand - phenolic, Moulding sand, Moulds calcium sulphate, Moulds - plaster	**0,47**	**1,14**	**1,80**
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05	Foundry sand - non-phenolic, Moulding sand, Moulds - calcium sulphate, Moulds plaster	**0,47**	**0,91**	**1,80**
10 09 07*	casting cores and moulds which have undergone pouring containing dangerous substances	Foundry sand - non-phenolic, Foundry sand - phenolic, Moulding sand, Moulds calcium sulphate, Moulds - plaster	**0,47**	**1,14**	**1,80**
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07	Foundry sand - non-phenolic, Moulding sand, Moulds - calcium sulphate, Moulds plaster	**0,47**	**0,91**	**1,80**
10 09 09*	flue-gas dust containing dangerous substances	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**0,99**	**1,25**
10 09 10	flue-gas dust other than those mentioned in 10 09 09	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**0,91**	**1,25**
10 09 11*	other particulates containing dangerous substances	To follow	**0,74**	**0,74**	**0,74**
10 09 12	other particulates other than those mentioned in 10 09 11	To follow	**0,74**	**0,74**	**0,74**
10 09 13*	waste binders containing dangerous substances	Binders - Foundary	**0,90**	**0,90**	**0,90**
10 09 14	waste binders other than those mentioned in 10 09 13	Binders - Foundary	**0,90**	**0,90**	**0,90**
10 09 15*	waste crack-indicating agent containing dangerous substances	Crack indicating agents (thermal metallurgy)	**0,90**	**0,90**	**0,90**
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15	Crack indicating agents (thermal metallurgy)	**0,90**	**0,90**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
10 09 99	wastes not otherwise specified	N/A	**0,69**	**0,99**	**1,48**
10 10	**wastes from casting of non-ferrous pieces**				
10 10 03	furnace slag	Blast furnace slag, Furnace slag	**1,08**	**1,32**	**1,80**
10 10 05*	casting cores and moulds which have not undergone pouring, containing dangerous substances	Foundry sand - non-phenolic, Foundry sand - phenolic, Moulding sand, Moulds calcium sulphate, Moulds - plaster	**0,47**	**1,14**	**1,80**
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05	Foundry sand - non-phenolic, Moulding sand, Moulds - calcium sulphate, Moulds plaster	**0,47**	**0,91**	**1,80**
10 10 07*	casting cores and moulds which have undergone pouring, containing dangerous substances	Foundry sand - non-phenolic, Foundry sand - phenolic, Moulding sand, Moulds calcium sulphate, Moulds - plaster	**0,47**	**1,14**	**1,80**
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07	Foundry sand - non-phenolic, Moulding sand, Moulds - calcium sulphate, Moulds plaster	**0,47**	**0,91**	**1,80**
10 10 09*	flue-gas dust containing dangerous substances	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**1,07**	**1,40**
10 10 10	flue-gas dust other than those mentioned in 10 10 09	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,74**	**0,74**	**0,74**
10 10 11*	other particulates containing dangerous substances	To follow	**0,74**	**0,74**	**0,74**
10 10 12	other particulates other than those mentioned in 10 10 11	To follow	**0,74**	**0,74**	**0,74**
10 10 13*	waste binders containing dangerous substances	Binders - Foundary	**0,90**	**0,90**	**0,90**
10 10 14	waste binders other than those mentioned in 10 10 13	Binders - Foundary	**0,90**	**0,90**	**0,90**
10 10 15*	waste crack-indicating agent containing dangerous substances	Crack indicating agents (thermal metallurgy)	**0,90**	**0,90**	**0,90**
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15	Crack indicating agents (thermal metallurgy)	**0,90**	**0,90**	**0,90**
10 10 99	wastes not otherwise specified	N/A	**0,69**	**0,92**	**1,27**
10 11	**wastes from manufacture of glass and glass products**				
10 11 03	waste glass-based fibrous materials	Fibre - glass, Fibreboard, Fibreglass, Resin-reinforced glass fibre products, Frit, Glass, Glass fibre	**0,22**	**0,45**	**0,90**
10 11 05	particulates and dust	To follow	**0,74**	**0,74**	**0,74**
10 11 09*	waste preparation mixture before thermal processing, containing dangerous substances	To follow	**0,90**	**1,19**	**1,48**
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09	To follow	**0,90**	**1,09**	**1,48**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
10 11 11*	waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)	Antimony compounds, Arsenic compounds, Cobalt compounds, Copper compounds Lead compounds, Molybdenum compounds, Nickel compounds, Zinc compounds, Cathode ray tubes, Frit, Glass, Glass - powdered, Scrap television tubes, Screens - computer, Glassware - contaminated	**1,20**	**1,23**	**1,27**
10 11 12	waste glass other than those mentioned in 10 11 11	Bottles - glass, Containers - glass, Containers - glass (contaminated), Glass, Glass bottles, Glass containers, Glass pots, Vitreous enamels	**0,57**	**0,90**	**1,27**
10 11 13*	glass-polishing and -grinding sludge containing dangerous substances	Grinding sludge, Sludge - contaminated, Sludge - grinding, Glassware - contaminated	**0,90**	**1,00**	**1,15**
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13	To follow	**0,90**	**0,98**	**1,15**
10 11 15*	solid wastes from flue-gas treatment containing dangerous substances	Gas treatment waste	**0,74**	**1,12**	**1,50**
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15	Gas treatment waste	**0,74**	**0,99**	**1,50**
10 11 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Sludge contaminated	**0,90**	**0,90**	**0,90**
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17	Filter cake - dewatered, Filter cake n/o/s	**0,90**	**0,90**	**0,90**
10 11 19*	solid wastes from on-site effluent treatment containing dangerous substances	Effluent treatment sludge - biological (dewatered), Sludge - biological dewatered effluent treatment	**0,50**	**0,50**	**0,50**
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19	Effluent treatment sludge - biological (dewatered), Sludge - effluent treatment biological dewatered	**0,50**	**0,50**	**0,50**
10 11 99	wastes not otherwise specified	N/A	**0,72**	**0,89**	**1,14**
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**				
10 12 01	waste preparation mixture before thermal processing	To follow	**0,90**	**1,10**	**1,50**
10 12 03	particulates and dust	Dust - flue gas, Flue cleanings - boiler, Flue gas dust, Furnace dust (foundries)	**0,48**	**0,74**	**1,25**
10 12 05	sludges and filter cakes from gas treatment	Filter cake - dewatered, Filter cake n/o/s	**0,90**	**0,90**	**0,90**
10 12 06	discarded moulds	Foundry sand - non-phenolic, Moulding sand, Moulds - calcium sulphate, Moulds - plaster	**1,50**	**1,53**	**1,55**
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)	Bricks, Ceramics, China, Pottery, Tiles (floor) - ceramic, Tiles (floor) - slate, Tiles	**0,56**	**0,97**	**1,80**
10 12 09*	solid wastes from gas treatment containing dangerous substances	Gas treatment waste	**0,74**	**1,12**	**1,50**
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09	Gas treatment waste	**0,74**	**0,99**	**1,50**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
10 12 11*	wastes from glazing containing heavy metals	Glaze	**0,90**	**1,17**	**1,45**
10 12 12	wastes from glazing other than those mentioned in 10 12 11	Glaze	**0,90**	**1,11**	**1,45**
10 12 13	sludge from on-site effluent treatment	Effluent treatment sludge - biological (dewatered), Sludge - biological dewatered effluent treatment	**0,90**	**0,90**	**0,90**
10 12 99	wastes not otherwise specified	N/A	**0,79**	**1,02**	**1,42**
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**				
10 13 01	waste preparation mixture before thermal processing	To follow	**0,90**	**0,90**	**0,90**
10 13 04	wastes from calcination and hydration of lime	Cement, Lime - spent, Lime sludge, Quicklime, Slaked lime (calcium hydroxide)	**0,90**	**1,15**	**1,64**
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)	Cement kiln dust	**0,34**	**0,82**	**1,46**
10 13 07	sludges and filter cakes from gas treatment	Filter cake - dewatered, Filter cake n/o/s	**0,90**	**0,90**	**0,90**
10 13 09*	wastes from asbestos-cement manufacture containing asbestos	Asbestos, Asbestos - bonded, Asbestos sheets - corrugated, Cement - asbestos, Dust	**0,44**	**0,97**	**1,50**
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09	Asbestos	**0,19**	**0,62**	**1,50**
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10	Cement, Cement products	**0,44**	**0,86**	**1,70**
10 13 12*	solid wastes from gas treatment containing dangerous substances	Gas treatment waste	**0,74**	**1,12**	**1,50**
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12	Gas treatment waste	**0,74**	**0,99**	**1,50**
10 13 14	waste concrete and concrete sludge	Concrete, Concrete - wet, Concrete blocks, Concrete floor tiles, Concrete railway sleepers, Concrete slurry, Cement slurry, Cement/concrete sludge	**0,90**	**1,20**	**1,80**
10 13 99	wastes not otherwise specified	N/A	**0,61**	**0,92**	**1,45**
10 14	**waste from crematoria**				
10 14 01*	waste from gas cleaning containing mercury		**0,90**	**1,20**	**1,50**
11	**WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY**				
11 01	**wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)**				
11 01 05*	pickling acids	Chromic acid, Acetic acid, Acid - acetic, Acids, Inorganic acids, Nitric acid, Pickling liquors (metal pickling), Acid	**0,90**	**0,94**	**0,98**
11 01 06*	acids not otherwise specified	Boric acid, Chromic acid, Acetic acid, Acid - acetic, Acids, Inorganic acids, Nitric acid, Oxalic acid, Acid	**0,90**	**0,90**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
11 01 07*	pickling bases	Alkalies, Bases	**0,90**	**1,08**	**1,25**
11 01 08*	phosphatising sludges	Sludge - contaminated	**0,90**	**1,10**	**1,30**
11 01 09*	sludges and filter cakes containing dangerous substances	Filter cake - dewatered, Filter cake - phenolic, Filter cake n/o/s, Sludge - contaminated	**0,90**	**1,10**	**1,30**
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09	Filter cake - dewatered, Filter cake n/o/s	**0,90**	**1,03**	**1,30**
11 01 11*	aqueous rinsing liquids containing dangerous substances	To follow	**0,90**	**1,10**	**1,30**
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	To follow	**0,90**	**1,03**	**1,30**
11 01 13*	degreasing wastes containing dangerous substances	Degreaser compounds	**0,90**	**1,10**	**1,30**
11 01 14	degreasing wastes other than those mentioned in 11 01 13	Degreaser compounds	**0,90**	**1,03**	**1,30**
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances	Sludge - contaminated	**0,90**	**1,10**	**1,30**
11 01 16*	saturated or spent ion exchange resins	Ion exchange resin	**0,42**	**0,42**	**0,42**
11 01 98*	other wastes containing dangerous substances	To follow	**0,72**	**1,21**	**1,80**
11 01 99	wastes not otherwise specified	N/A	**0,80**	**1,00**	**1,25**
11 02	**wastes from non-ferrous hydrometallurgical processes**				
11 02 02*	sludges from zinc hydrometallurgy (including jarosite, goethite)	Sludge - contaminated	**0,90**	**1,39**	**1,87**
11 02 03	wastes from the production of anodes for aqueous electrolytical processes	Anode scraps	**0,90**	**1,00**	**1,20**
11 02 05*	wastes from copper hydrometallurgical processes containing dangerous substances	To follow	**0,90**	**1,42**	**1,87**
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05	To follow	**0,90**	**1,29**	**1,87**
11 02 07*	other wastes containing dangerous substances	To follow	**0,72**	**1,35**	**2,07**
11 02 99	wastes not otherwise specified	N/A	**0,75**	**1,21**	**1,73**
11 03	**sludges and solids from tempering processes**				
11 03 01*	wastes containing cyanide	Cyanides, Inorganic cyanides, Potassium cyanide, Sodium cyanide	**0,90**	**1,29**	**1,67**
11 03 02*	other wastes	To follow	**1,17**	**1,42**	**1,67**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
11 05	**wastes from hot galvanising processes**				
11 05 01	hard zinc	Dross (slag) from the bottom of a zinc slab	**0,90**	**0,97**	**1,10**
11 05 02	zinc ash	Ash and residues of zinc ash from a casting furnace, ash from the furnace (foundry)	**0,90**	**1,02**	**1,26**
11 05 03*	solid wastes from gas treatment	Wastes from gas treatment	**0,74**	**1,07**	**1,40**
11 05 04*	spent flux	To follow	**0,90**	**0,90**	**0,90**
11 05 99	wastes not otherwise specified	To follow	**0,72**	**0,83**	**0,97**
12	**WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**				
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**				
12 01 01	ferrous metal filings and turnings	Ferrous metal scrap, Ferrous metal turnings, Iron - scrap, Iron corrugated sheets, Steel, Steel - scrap, Ferrous swarf, Steel cladding, Metal - scrap, Metal - scrap (ferrous), Mixed ferrous and non-ferrous scrap, Mixed scrap metal, Scrap metal, Scrap meta	**0,30**	**0,87**	**2,00**
12 01 02	ferrous metal dust and particles	Dust - grinding, Ferrous metal scrap, Iron - scrap, Iron corrugated sheets, Steel, Steel - scrap, Steel cladding, Metal - scrap, Metal - scrap (ferrous), Mixed ferrous and non-ferrous scrap, Mixed scrap metal, Scrap metal, Scrap metal (mixed), Scrap metal	**0,30**	**1,58**	**4,13**
12 01 03	non-ferrous metal filings and turnings	Aluminium, Bronze - scrap, Metal - scrap, Metal - scrap (non-ferrous), Mixed ferrous and non-ferrous scrap, Mixed scrap metal, Scrap metal, Scrap metal (mixed), Scrap metal - mixed ferrous and non-ferrous, Non-ferrous scrap metal, Non-ferrous swarf, Scrap	**0,22**	**1,11**	**2,90**
12 01 04	non-ferrous metal dust and particles	Aluminium, Dust - grinding, Bronze - scrap, Metal - scrap, Metal - scrap (non-ferrous), Mixed ferrous and non-ferrous scrap, Mixed scrap metal, Scrap metal, Scrap metal (mixed), Scrap metal - mixed ferrous and non-ferrous, Non-ferrous scrap metal, Scrap a	**0,90**	**0,97**	**1,10**
12 01 05	plastics shavings and turnings	Mixed plastics, Plastics, Polythene, Polyurethane, Polypropylene, Polystyrene	**0,20**	**0,43**	**0,90**
12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)	Oil - contaminated, Oil - mineral, Oil - machine (halogenated)	**0,90**	**0,94**	**0,98**
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)	Oil - contaminated, Oil - mineral, Oil - machine (non-halogenated)	**0,90**	**0,94**	**0,98**
12 01 08*	machining emulsions and solutions containing halogens	Oils (miscible cutting) - water, Emulsions (oil) - chlorinated, Miscible cutting oils - water, Oil - cutting	**0,72**	**0,85**	**0,98**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
12 01 09*	machining emulsions and solutions free of halogens	Oils (miscible cutting) - water, Emulsions (oil) - non-chlorinated, Miscible cutting oils - water, Oil - cutting, Oil emulsions - non-chlorinated	**0,72**	**0,85**	**0,98**
12 01 10*	synthetic machining oils	Oil - machine (synthetic)	**0,90**	**0,96**	**0,99**
12 01 12*	spent waxes and fats	Waxes and fats	**0,61**	**0,78**	**0,95**
12 01 13	welding wastes	Welding waste	**0,90**	**1,63**	**3,43**
12 01 14*	machining sludges containing dangerous substances	Sludge - contaminated	**0,90**	**1,12**	**1,50**
12 01 15	machining sludges other than those mentioned in 12 01 14	To follow	**0,90**	**1,06**	**1,50**
12 01 16*	waste blasting material containing dangerous substances	Blasting grit, Grit - blasting, Grit - contaminated, Residue - shot blast, Shotblast residue	**0,68**	**1,19**	**1,70**
12 01 17	waste blasting material other than those mentioned in 12 01 16	Blasting grit, Grit - blasting, Grit - contaminated, Residue - shot blast, Shotblast residue	**0,97**	**1,21**	**1,70**
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil	Grinding sludge, Sludge - contaminated, Sludge - grinding	**0,90**	**1,05**	**1,15**
12 01 19*	readily biodegradable machining oil	To follow	**0,90**	**0,94**	**0,98**
12 01 20*	spent grinding bodies and grinding materials containing dangerous substances	Grinding bodies	**1,10**	**1,17**	**1,26**
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20	Grinding bodies	**1,10**	**1,19**	**1,26**
12 01 99	wastes not otherwise specified	N/A	**0,72**	**1,06**	**1,72**
12 03	**wastes from water and steam degreasing processes (except 11)**				
12 03 01*	aqueous washing liquids	To follow	**0,90**	**1,00**	**1,10**
12 03 02*	steam degreasing wastes	Degreaser compounds	**0,90**	**0,91**	**0,92**
13	**OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)**				
13 01	**waste hydraulic oils**				
13 01 01*	hydraulic oils, containing PCBs	Oil - contaminated, Oil - hydraulic, Oil - hydraulic (containing PCBs), PCBs	**0,90**	**1,05**	**1,20**
13 01 04*	chlorinated emulsions	Emulsions (oil) - chlorinated	**0,90**	**0,93**	**0,95**
13 01 05*	non-chlorinated emulsions	Emulsions (oil) - non-chlorinated, Oil emulsions - non-chlorinated	**0,72**	**0,84**	**0,95**
13 01 09*	mineral-based chlorinated hydraulic oils	Oil - hydraulic, Oil - hydraulic (chlorinated), Oil - mineral	**0,90**	**0,93**	**0,95**
13 01 10*	mineral based non-chlorinated hydraulic oils	Engine oil - non-chlorinated, Oil - hydraulic, Oil - hydraulic (non-chlorinated), Oil- mineral	**0,90**	**0,93**	**0,95**
13 01 11*	synthetic hydraulic oils	Oil - hydraulic	**0,90**	**0,90**	**0,90**
13 01 12*	readily biodegradable hydraulic oils	Oil - hydraulic	**0,90**	**0,90**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
13 01 13*	other hydraulic oils	Oil - hydraulic, Oil - mixed	**0,88**	**0,92**	**0,96**
13 02	**waste engine, gear and lubricating oils**				
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils	Engine oil, Engine oil - chlorinated, Oil - engine, Oil - engine (chlorinated), Oil - garage, Oil - gear, Oil - lubricating, Oil - lubricating (chlorinated), Oil - mineral	**0,90**	**0,93**	**0,96**
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils	Engine oil, Oil - engine, Oil - engine (non-chlorinated), Oil - garage, Oil - gear, Oil-gear (non-chlorinated), Oil - lubricating, Oil - lubricating (non-chlorinated), Oil - mineral	**0,90**	**0,93**	**0,95**
13 02 06*	synthetic engine, gear and lubricating oils	Engine oil, Oil - engine, Oil - garage, Oil - gear, Oil - lubricating	**0,90**	**0,95**	**0,99**
13 02 07*	readily biodegradable engine, gear and lubricating oils	Engine oil, Oil - engine, Oil - garage, Oil - gear, Oil - lubricating	**0,90**	**0,95**	**0,99**
13 02 08*	other engine, gear and lubricating oils	Engine oil, Oil - engine, Oil - garage, Oil - gear, Oil - lubricating, Oil - mixed	**0,90**	**0,92**	**0,99**
13 03	**waste insulating and heat transmission oils**				
13 03 01*	insulating or heat transmission oils containing PCBs	Oil - insulating containing PCB or PCT, PCBs	**0,90**	**0,90**	**0,90**
13 03 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01	Oil - heat transfer (mineral), Oil - insulating (mineral), Oil - mineral	**0,90**	**0,90**	**0,90**
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils	Oil - heat transfer (mineral), Oil - insulating (mineral), Oil - mineral	**0,90**	**0,90**	**0,90**
13 03 08*	synthetic insulating and heat transmission oils	Oil - insulating (synthetic)	**0,90**	**0,90**	**0,90**
13 03 09*	readily biodegradable insulating and heat transmission oils	Oil - insulating (synthetic)	**0,90**	**0,90**	**0,90**
13 03 10*	other insulating and heat transmission oils	Oil - mixed	**0,90**	**0,90**	**0,90**
13 04	**bilge oils**				
13 04 01*	bilge oils from inland navigation	Oil (n/o/s) and water, Oil - bilge, Oil/water mixtures, Water/oil mixtures	**0,90**	**0,90**	**0,90**
13 04 02*	bilge oils from jetty sewers	Oil (n/o/s) and water, Oil - bilge, Oil/water mixtures, Water/oil mixtures	**0,90**	**0,90**	**0,90**
13 04 03*	bilge oils from other navigation	Oil (n/o/s) and water, Oil - bilge, Oil/water mixtures, Water/oil mixtures	**0,90**	**0,90**	**0,90**
13 05	**oil/water separator contents**				
13 05 01*	solids from grit chambers and oil/water separators	Contaminated grit, Grit - contaminated	**0,90**	**0,90**	**0,90**
13 05 02*	sludges from oil/water separators	Gully emptyings, Sludge - contaminated, Water/oil mixtures	**0,90**	**0,90**	**0,90**
13 05 03*	interceptor sludges	Gully emptyings, Oil interceptor waste, Sludge - contaminated, Sludge from settling	**0,90**	**0,90**	**0,90**
13 05 06*	oil from oil/water separators	Oil (n/o/s) and water	**0,90**	**0,90**	**0,90**
13 05 07*	oily water from oil/water separators	Gully emptyings, Oil (n/o/s) and water, Oil/water mixtures, Water/oil mixtures	**0,90**	**0,90**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
13 05 08*	mixtures of wastes from grit chambers and oil/water separators	Contaminated grit, Grit - contaminated, Gully emptyings	**0,90**	**0,90**	**0,90**
13 07	**wastes of liquid fuels**				
13 07 01*	fuel oil and diesel	diesel fuel	**0,90**	**0,90**	**0,90**
13 07 02*	petrol	To follow	**0,72**	**0,72**	**0,72**
13 07 03*	other fuels (including mixtures)	diesel and petrol fuel (mixed)	**0,72**	**0,72**	**0,72**
13 08	**oil wastes not otherwise specified**				
13 08 01*	desalter sludges or emulsions	sludge - desalting crude oil, sludge - polluted	**0,90**	**0,90**	**0,90**
13 08 02*	other emulsions	oil emulsions - non-chlorinated	**0,84**	**0,84**	**0,84**
13 08 99*	wastes not otherwise specified	To follow	**0,64**	**0,64**	**0,64**
14	**WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)**				
14 06	**waste organic solvents, refrigerants and foam/aerosol propellants**				
14 06 01*	chlorofluorocarbons, HCFC, HFC	halon hlorfluorugljikovodici, refrigerants - HCFCs triklorotrifluoroetilen, hydrocarbons - refrigerants	**0,04**	**0,04**	**0,04**
14 06 02*	other halogenated solvents and solvent mixtures	halogenated organic solvents, halon, chlorinated solvents (mixed), solvents - chlorinated (mixed), solvents and thinners (mixed), cleaning compounds - Halogenated, trichloroethane, trichloroethylene	**0,90**	**0,90**	**0,90**
14 06 03*	other solvents and solvent mixtures	trichloroethane, trichlorethylene isopropanol, xylene, methylated spirits, chlorinated solvents (mixed), solvents - non-chlorinated (mixed), solvents and thinners (mixed), solvent paint, paint thinner, turpentine, toluene	**0,65**	**0,65**	**0,65**
14 06 04*	sludges or solid wastes containing halogenated solvents	halogenated organic solvents, sludge – polluted	**0,90**	**0,90**	**0,90**
14 06 05*	sludges or solid wastes containing other solvents	sludge - polluted, spray paint - thinner	**0,90**	**0,90**	**0,90**
15	**WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**				
15 01	**packaging (including separately collected municipal packaging waste)**				
15 01 01	paper and cardboard packaging	Cardboard, Cardboard packaging, Cardboard packaging - used, Containers - cardboard, Containers - cardboard (contaminated), Containers - paper, Empty used containers, Packaging - cardboard, Packaging - paper, Paper containers, Paper containers – contaminated	**0,20**	**0,20**	**0,20**
15 01 02	plastic packaging	Bottles - plastic, Cling film, Bags - plastic, Baled plastic waste, Cellophane - dry, Containers - pesticide (plastic), Containers - plastic, Crates - plastic, Drums n/o/s, Empty used containers, Film - plastic, Latex, Latex and rubber	**0,22**	**0,22**	**0,22**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		(mixed), Low density			
15 01 03	wooden packaging	Containers - wooden, Crates - wooden, Empty used containers, Packaging - wooden, Pallets, Timber - untreated, Wood, Wooden containers - contaminated	**0,11**	**0,17**	**0,23**
15 01 04	metallic packaging	Cans - aluminium, Cans - metal, Metal containers - used, Aluminium, Aluminium cans, Aerosol containers - empty, Drums - steel, Steel drums, Aluminium foil, Containers (metal) - used, Containers - aerosol - empty, Containers - metal (contaminated), Contain	**0,22**	**0,22**	**0,22**
15 01 05	composite packaging	Empty used containers	**0,20**	**0,20**	**0,20**
15 01 06	mixed packaging	Empty used containers, Packaging (mixed) - used, Packaging - contaminated(cleanable), Packaging - contaminated (not cleanable)	**0,20**	**0,21**	**0,21**
15 01 07	glass packaging	Bottles - glass, Glass bottles, Glass containers, Glass pots, Containers - glass, Glass	**0,33**	**0,33**	**0,33**
15 01 09	textile packaging	Cotton, Cotton wool, Cushions, Fibre - acrylic, Fibres - textile (processed) - synthetic, Fibres man made, Synthetic fibre waste, Jute, Linen, Silk waste, Textile fibres (processed) - animal, Textile fibres (processed) - mixed, Textile fibres (processed)	**0,18**	**0,18**	**0,18**
15 01 10*	packaging containing residues of or contaminated by dangerous substances	Aerosol containers - empty, Drums - steel, Steel drums, Cardboard containers - contaminated, Cardboard packaging, Cardboard packaging - used, Containers (metal) - used, Containers - aerosol - empty, Containers - cardboard (contaminated), Containers - glas	**0,21**	**0,21**	**0,21**
15 01 11*	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers	Asbestos, Metal - scrap, Metal - scrap (ferrous), Metal - scrap (non-ferrous), Metal packaging, Mixed ferrous and non-ferrous scrap, Mixed scrap metal, Scrap metal, Scrap metal (mixed), Scrap metal - mixed ferrous and non-ferrous, Non-ferrous scrap metal	**0,17**	**0,17**	**0,17**
15 02	**absorbents, filter materials, wiping cloths and protective clothing**				
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Absorbents (n/o/s) and oil, Absorbents - oil/fuel (contaminated), Absorbents n/o/s halogenated, Absorbents n/o/s - non-halogenated, Contaminated filter paper, Contaminated paper wipes, Filter clay, Filter cloths, Filter paper, Filter paper - contaminate	**0,42**	**0,42**	**0,42**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	Absorbents n/o/s - halogenated, Absorbents n/o/s - non-halogenated, Contaminated filter paper, Contaminated paper wipes, Filter clay, Filter cloths, Filter paper, Filter paper - contaminated, Filters - contaminated,	**0,07**	**0,07**	**0,07**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		Filters - spray booth, Paper - filter			
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**				
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**				
16 01 03	end-of-life tyres	Tyres - intact, Tyres - shredded	**0,47**	**0,47**	**0,47**
16 01 04*	end-of-life vehicles	Agricultural machinery, Cars, Motor vehicles, Vehicles - cars, Vehicles - commercial, Vehicles - lorries, Vehicles - motor, Railway carriages, Boats, Ships	**0,46**	**0,46**	**0,46**
16 01 06	end-of-life vehicles, containing neither liquids nor other hazardous components	Car bodies, Bicycles, Agricultural machinery, Cars, Lorry bodies, Motor vehicles, Vehicles - cars, Vehicles - commercial, Vehicles - lorries, Vehicles - motor, Railway carriages, Boats, Ships	**0,46**	**0,46**	**0,46**
16 01 07*	oil filters	Filters - oil, Filters - oil (crushed), Oil filters, Oil filters - used	**0,19**	**0,19**	**0,19**
16 01 08*	components containing mercury	Mercury waste and residues, Parts - vehicle, Vehicle components, Vehicle parts, Mercury - elemental	**0,21**	**0,21**	**0,21**
16 01 09*	components containing PCBs	Parts - vehicle, PCBs, Vehicle components, Vehicle parts	**0,30**	**0,30**	**0,30**
16 01 10*	explosive components (for example air bags)	Air bags - undischarged, Vehicle components, Vehicle parts	**0,21**	**0,21**	**0,21**
16 01 11*	brake pads containing asbestos	Car brakes, Asbestos lined brake shoes, Asbestos vehicle brake shoes, Brake linings(containing asbestos), Vehicle brake shoes - asbestos, Brakes - car	**0,44**	**0,44**	**0,44**
16 01 12	brake pads other than those mentioned in 16 01 11	Car brakes, Brake linings (not containing asbestos), Brakes - car	**0,44**	**0,44**	**0,44**
16 01 13*	brake fluids	Brake fluid, Brake fluids, Fluid - brake	**0,72**	**0,72**	**0,72**
16 01 14*	antifreeze fluids containing dangerous substances	Ethylene glycol, Glycol, Antifreeze	**0,90**	**0,90**	**0,90**
16 01 15	antifreeze fluids other than those mentioned in 16 01 14	Antifreeze	**0,90**	**0,90**	**0,90**
16 01 16	tanks for liquefied gas	Gas tank (LPG vehicles), LPG (motor vehicle) tanks	**0,23**	**0,23**	**0,23**
16 01 17	ferrous metal	Cast iron waste and scrap, Ferrous metal scrap, Iron - scrap, Iron corrugated sheets, Steel, Steel - scrap, Steel cladding, Metal - scrap, Metal - scrap (ferrous), Metal chairs, Metal parts - mechanical, Mixed ferrous and non-ferrous scrap, Mixed scrap me	**0,30**	**0,30**	**0,30**
16 01 18	non-ferrous metal	Brass - scrap, Aluminium, Metal - scrap, Metal - scrap (non-ferrous), Metal parts - mechanical, Mixed ferrous and non-ferrous scrap, Mixed scrap metal, Scrap metal, Scrap metal (mixed), Scrap metal - mixed ferrous and non-ferrous, Non-ferrous scrap metal	**0,90**	**0,90**	**0,90**
16 01 19	plastic	Laminates - plastic, Mixed plastics, Plastics, Polythene, Polyurethane, Polypropylene, Polystyrene, Polyvinyl	**0,36**	**0,36**	**0,36**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		chloride, PTFE, PVC, Car - Dashboards and other plastic fittings			
16 01 20	glass	Fibre - glass, Fibreglass, Glass, Glass fibre, Resin-reinforced glass fibre products, Windscreens	**0,85**	**0,85**	**0,85**
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	Car exhausts, Engines, Parts - vehicle, Vehicle components, Vehicle parts	**0,46**	**0,46**	**0,46**
16 01 22	components not otherwise specified	Car exhausts, Air bags - discharged, Electric motors (decontaminated), Engines, Parts - vehicle, Vehicle components, Vehicle parts	**0,30**	**0,30**	**0,30**
16 01 99	wastes not otherwise specified	N/A	**0,46**	**0,47**	**0,48**
16 02	**wastes from electrical and electronic equipment**				
16 02 09*	transformers and capacitors containing PCBs	Capacitors (with PCBs or PCTs), Machinery, Machinery - heavy industrial, Machinery - light industrial, PCBs, Industrial machinery (heavy), Industrial machinery (light), Transformers (with PCBs or PCTs)	**0,46**	**0,62**	**0,95**
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09	Appliances - domestic, Electrical domestic appliances, Electrical appliances Machinery, Machinery - heavy industrial, Machinery - light industrial, Mechanical parts (metal), PCBs, Industrial machinery (heavy), Industrial machinery (light), Scrap metal	**0,30**	**0,30**	**0,30**
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC	Appliances - domestic, Electrical absorption fridges, Appliances - domestic, CFCs, Chlorofluorocarbons, Domestic appliances (electrical), Electrical domestic appliances, Domestic appliances CFCs not extracted, Electrical appliances, Machinery, Machinery	**0,30**	**0,30**	**0,30**
16 02 12*	discarded equipment containing free asbestos	Asbestos, Asbestos - fibrous, Appliances - domestic, Appliances - domestic, Cookers, Domestic appliances (electrical), Electrical appliances, Microwave cookers, Electrical domestic appliances, Machinery, Machinery - heavy industrial, Machinery - light industry	**0,30**	**0,30**	**0,30**
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12	Capacitors (without PCBs or PCTs), Computer screens, Computers, Appliances domestic, Appliances - domestic, Agricultural machinery, Cathode ray tubes, Electronic appliances, Electronic equipment, Cookers - microwave, Domestic appliances (electrical),	**0,26**	**0,26**	**0,26**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	Bulbs - non fluorescent, Capacitors (without PCBs or PCTs), Bulbs - Non Fluorescent, Computer keyboards, Computers, Appliances - domestic, Appliances - domestic, Cookers, Agricultural machinery, Cookers - microwave, Domestic appliances	**0,26**	**0,26**	**0,26**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		(electrical)			
16 02 15*	hazardous components removed from discarded equipment	Capacitors (without PCBs or PCTs), Computer screens, Agricultural machinery, Cathode ray tubes, Electrical cable, Electrical components, Electrical wire, Electronic components, Electronic fixtures/fittings, Electronic scrap, Machinery, Machinery - heavy industry	**0,46**	**0,46**	**0,46**
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15	Capacitors (without PCBs or PCTs), Computer screens, Agricultural machinery, Cathode ray tubes, Electrical cable, Electrical components, Electrical wire, Electronic components, Electronic fixtures/fittings, Electronic scrap, Machinery, Machinery - heavy industry	**0,30**	**0,30**	**0,30**
16 03	**off-specification batches and unused products**				
16 03 03*	inorganic wastes containing dangerous substances	Pesticides	**0,90**	**0,90**	**0,90**
16 03 04	inorganic wastes other than those mentioned in 16 03 03	Iron chloride	**0,90**	**0,90**	**0,90**
16 03 05*	organic wastes containing dangerous substances	Acrylamide, Acrylate monomers, Acrylate copolymers, Amides, Amines, Ammonia, Benzene, Benzyl chlorides, Aldehydes, Copolymers - acrylate, Styrene, Ketones, Formaldehyde, Pesticides, Hydrocarbons - aliphatic, Vinyl acetate, Soap, Coke - contaminated, Cosme	**0,81**	**0,81**	**0,81**
16 03 06	organic wastes other than those mentioned in 16 03 05	Paraffin wax, Acrylamide, Acrylate monomers, Acrylate copolymers, Amides, Amines, Ammonia, Benzene, Aromatic hydrocarbons, Aldehydes, Copolymers - acrylate, Jelly - petroleum, Ketones, Petroleum jelly, Petroleum wax, Wax - petroleum, Perfume (reject), Hyd	**0,81**	**0,81**	**0,81**
16 04	**waste explosives**				
16 04 01*	waste ammunition	Munitions, Ordnance	**0,18**	**0,39**	**0,60**
16 04 02*	fireworks wastes	Fireworks, Pyrotechnics	**0,21**	**0,40**	**0,40**
16 04 03*	other waste explosives	Inorganic rocket propellants	**0,18**	**0,54**	**0,90**
16 05	**gases in pressure containers and discarded chemicals**				
16 05 04*	gases in pressure containers (including halons) containing dangerous substances	Air fresheners (aerosol) - full, Chlorine, Chloromethanes, Gas cylinders substances	**0,30**	**0,50**	**0,70**
16 05 05	gases in pressure containers other than those mentioned in 16 05 04	Air fresheners (aerosol) - full, Gas cylinders	**0,30**	**0,44**	**0,70**
16 05 06*	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Benzyl chlorides, Aldehydes, Alcohols, Aliphatic hydrocarbons, Chemicals laboratory, Chlorine, Chloromethanes, Ethanol, Laboratory chemicals, Laboratory smalls, Formaldehyde, Formic acid, Methanol, Bromine, Chloroform, Dichloroethane,	**0,90**	**1,03**	**1,30**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		Dichloromethane			
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances	Chlorine, Pesticides, Hydrobromic acid, Lithium compounds, Magnesium carbonate, Magnesium oxide, Magnesium sulphate, Nitrates, Nitriles, Nitrites	**0,90**	**1,03**	**1,30**
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances	Chloromethanes, Ethanol, Formic acid, Methacrylate, Methanol, Bromine, Chloroform, Dichloroethane, Dichloromethane, Diphenyl methane diisocyanate (MDI) - solid, Ethers, Ethoxylated alkyphenol (surfactant), Ethyl benzene, Methylene chloride, Methyl bromide	**0,81**	**0,86**	**0,90**
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	To follow	**0,90**	**1,00**	**1,30**
16 06	**batteries and accumulators**				
16 06 01*	lead batteries	Car batteries, Batteries - car, Lead acid batteries (undrained), Batteries - lead acid (undrained), Batteries - lead acid (drained)	**1,35**	**2,33**	**4,30**
16 06 02*	Ni-Cd batteries	Batteries - nickel cadmium, Batteries - mixed	**1,35**	**2,23**	**4,00**
16 06 03*	mercury-containing batteries	Batteries - mercury, Batteries - mixed, Mercury waste and residues	**1,35**	**2,23**	**4,00**
16 06 04	alkaline batteries (except 16 06 03)	Batteries - alkaline, Batteries - lithium, Batteries - metal hydrides, Batteries - mixed	**1,35**	**2,23**	**4,00**
16 06 05	other batteries and accumulators	To follow	**1,35**	**1,35**	**1,35**
16 06 06*	separately collected electrolyte from batteries and accumulators	Battery - Electrolyte	**1,10**	**1,23**	**1,35**
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**				
16 07 08*	wastes containing oil	Crude oil tank cleaning residues, Decant oil tank cleaning residues, Oil/water mixtures, Oil (n/o/s) and water, Road tanker washings, Tank cleaning residue, Water/oil mixtures	**0,19**	**0,62**	**1,20**
16 07 09*	wastes containing other dangerous substances	Container washings - agrochemical, Crude oil tank cleaning residues, Decant oil tank cleaning residues, Residues - additive tank cleaning, Road tanker washings, Tank cleaning residue, Washings - agrochemical containers	**0,90**	**1,08**	**1,30**
16 07 99	wastes not otherwise specified	Crude oil tank cleaning residues, Decant oil tank cleaning residues, Residues - additive tank cleaning, Tank cleaning residue	**0,42**	**0,63**	**0,90**
16 08	**spent catalysts**				
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)	Catalysts - precious metal bearing, Precious metal bearing catalysts, Rhenium waste and scrap, Transition metal catalysts	**0,90**	**0,93**	**1,00**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
16 08 02*	spent catalysts containing dangerous transition metals or dangerous transition metal compounds	Catalysts molybdenum (hydrodesulphurisation), Catalysts nickel (hydrodesulphurisation), Catalysts - transition metal, Transition metal catalysts, Vanadium pentoxide catalyst	**0,90**	**0,95**	**1,00**
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified	Catalysts molybdenum (hydrodesulphurisation), Catalysts nickel (hydrodesulphurisation), Catalysts - transition metal, Transition metal catalysts, Zirconia	**0,90**	**0,93**	**1,00**
16 08 04	spent fluid catalytic cracking catalysts (except 16 08 07)	To follow	**0,90**	**0,93**	**1,00**
16 08 05*	spent catalysts containing phosphoric acid	Acids, Inorganic acids, Polymerisation catalyst - phosphoric acid/silica base, Acid	**0,90**	**0,95**	**1,00**
16 08 06*	spent liquids used as catalysts	To follow	**0,90**	**0,95**	**1,00**
16 08 07*	spent catalysts contaminated with dangerous substances	To follow	**0,90**	**0,95**	**1,00**
16 09	**oxidising substances**				
16 09 01*	permanganates, for example potassium permanganate	Permanganate	**0,90**	**0,90**	**0,90**
16 09 02*	chromates, for example potassium chromate, potassium or sodium dichromate	Chromate, chromium compounds - Hexavalent, Chromium compounds - trivalent	**0,90**	**0,90**	**0,90**
16 09 03*	peroxides, for example hydrogen peroxide	Peroxides - organic	**0,90**	**0,90**	**0,90**
16 09 04*	oxidising substances, not otherwise specified	Chlorate, sodium hypochlorite	**0,90**	**1,10**	**1,30**
16 10	**aqueous liquid wastes destined for off-site treatment**				
16 10 01*	aqueous liquid wastes containing dangerous substances	To follow	**0,90**	**0,96**	**1,03**
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	To follow	**0,90**	**0,96**	**1,03**
16 10 03*	aqueous concentrates containing dangerous substances	To follow	**0,90**	**0,98**	**1,03**
16 10 04	aqueous concentrates other than those mentioned in 16 10 03	To follow	**0,90**	**0,96**	**1,03**
16 11	**waste linings and refractories**				
16 11 01*	carbon-based linings and refractories from metallurgical processes containing dangerous substances	Casting furnace linings; coal; refractory lining; the refractory lining of the combustion	**0,29**	**1,05**	**1,80**
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01	Casting furnace linings; coal; refractory lining; the refractory lining of the combustion	**0,29**	**0,79**	**1,80**
16 11 03*	other linings and refractories from metallurgical processes containing dangerous substances	Casting furnace linings; coal; refractory lining; the refractory lining of the combustion	**1,17**	**1,49**	**1,80**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03	Casting furnace linings; coal; refractory lining; the refractory lining of the combustion	**1,17**	**1,38**	**1,80**
16 11 05*	linings and refractories from non-metallurgical processes containing dangerous substances	Casting furnace linings; coal; refractory lining; the refractory lining of the combustion	**1,17**	**1,49**	**1,80**
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05	Casting furnace linings; coal; refractory lining; the refractory lining of the combustion	**1,17**	**1,38**	**1,80**
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**				
17 01	**concrete, bricks, tiles and ceramics**				
17 01 01	concrete	Building rubble, Concrete, Concrete - wet, Concrete blocks, Concrete floor tiles, Concrete railway sleepers, Concrete slurry, Cement products, Railway sleepers (concrete)	**0,93**	**1,17**	**1,30**
17 01 02	bricks	Bricks, Building rubble	**0,66**	**1,05**	**1,30**
17 01 03	tiles and ceramics	Building rubble, Ceramics, China, Tiles (floor) - ceramic, Tiles (floor) - slate, Tiles	**0,59**	**0,83**	**1,30**
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances	Ceramics, Gravel, Tiles (floor) - ceramic, Tiles (floor) - slate, Tiles (roof) - clay Tiles (roof) - slate	**0,66**	**1,04**	**1,30**
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	Bricks, Building rubble, Aggregates, Ceramics, Gravel, Hardcore, Road metal Rubble	**0,71**	**1,03**	**1,30**
17 02	**wood, glass and plastic**				
17 02 01	wood	Chairs - wooden, Cork, Railway sleepers (timber), Sleepers - railway (timber), Timber - untreated, Hardboard, Wood, Wood cuttings	**0,33**	**0,39**	**0,50**
17 02 02	glass	Fibre - glass, Fibreglass, Glass, Glass fibre, Resin-reinforced glass fibre products, Vitreous enamels	**0,33**	**0,71**	**1,20**
17 02 03	plastic	Cones (roadworks), Baled plastic waste, Cellophane - dry, Chairs - plastic, Corrugated plastic sheets, Laminates - plastic, Low density polyethylene, High density polyethylene, Mixed plastics, Plastic film, Plastic pipes, Plastic sheeting, Plastic windows	**0,23**	**0,36**	**0,60**
17 02 04*	glass, plastic and wood containing or contaminated with dangerous substances	Fibre - glass, Fibreglass, Glass, Glass fibre, Mixed plastics, Plastics, Polythene, Polyurethane, Polypropylene, Polystyrene, Resin-reinforced glass fibre products, Sleepers - railway (timber), Timber - treated, Ducting and piping - contaminated, Glasswar	**0,29**	**0,29**	**0,29**
17 03	**bituminous mixtures, coal tar and tarred products**				
17 03 01*	bituminous mixtures containing coal tar	Bitumen, Coal tars, Asphalt (containing tar), Acid tars - organic, Acid tars n/o/s,	**0,90**	**1,20**	**1,80**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		Mastic, Pitch, Tar residues, Tarmacadam			
17 03 02	bituminous mixtures other than those mentioned in 17 03 01	Bitumen, Asphalt (containing tar), Mastic, Pitch, Tarmacadam	**0,82**	**1,17**	**1,80**
17 03 03*	coal tar and tarred products	Bitumen, Coal tars, Asphalt (containing tar), Acid tars - organic, Acid tars n/o/s, Pitch, Tar residues	**0,70**	**1,38**	**1,95**
17 04	**metals (including their alloys)**				
17 04 01	copper, bronze, brass	Brass - scrap, Copper - scrap, Copper waste and scrap, Bronze - scrap, Water heater elements	**0,90**	**1,49**	**2,67**
17 04 02	aluminium	Cladding - aluminum, Aluminium, Scrap aluminium, Windows (metal)	**0,20**	**0,94**	**1,73**
17 04 03	lead	Lead - scrap, Lead waste and scrap, Pipes (lead)	**0,90**	**1,57**	**2,90**
17 04 04	zinc	Scrap zinc, Zinc - scrap, Zinc waste and scrap	**0,90**	**1,74**	**3,43**
17 04 05	iron and steel	Cast iron waste and scrap, Doors (metal), Ferrous metal scrap, Ferrous metal turnings, Iron - scrap, Iron corrugated sheets, Steel, Steel (of reinforced concrete), Steel - scrap, Ferrous swarf, Steel cladding, Steel pipes, Steel wool, Metal - scrap, Metal	**0,41**	**0,95**	**2,00**
17 04 06	tin	Tin waste and scrap, Tin - scrap	**0,90**	**1,49**	**2,67**
17 04 07	mixed metals	Barriers (metal) - safety, Safety barriers (metal), Chairs - metal, Ferrous and non-ferrous (mixed) scrap, Furniture - metal, Metal - scrap, Metal - scrap (ferrous), Metal - scrap (non-ferrous), Metal chairs, Mixed ferrous and non-ferrous scrap, Mixed sc	**0,27**	**0,35**	**0,42**
17 04 09*	metal waste contaminated with dangerous substances	Ferrous metal scrap, Ferrous metal turnings, Iron - scrap, Iron corrugated sheets, Steel, Steel - scrap, Ferrous swarf, Steel cladding, Steel pipes, Steel wool, Metal - scrap, Metal - scrap (ferrous), Metal - scrap (non-ferrous), Mixed ferrous and non- fer	**0,46**	**1,52**	**3,43**
17 04 10*	cables containing oil, coal tar and other dangerous substances	Cable stripping waste, Coal tars, Electrical cable, Electrical wire, Wire (plastic coated) soft and hard drawn, Wire (galvanised coated) soft and hard drawn, Wire - electrical	**0,21**	**1,29**	**3,40**
17 04 11	cables other than those mentioned in 17 04 10	Cable stripping waste, Electrical cable, Electrical wire, Wire (plastic coated) soft and hard drawn, Wire (galvanised coated) soft and hard drawn, Wire - electrical	**0,11**	**1,25**	**3,40**
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**				
17 05 03*	soil and stones containing dangerous substances	Building rubble, Clay - contaminated, Contaminated sand, Contaminated soil (all types of soil), Stone, Sub soil, Rock - crushed, Rock - excavated, Sand, Soil, Soil - contaminated, Soil and stones (mixed), Contaminated rock	**1,25**	**1,45**	**1,80**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
17 05 04	soil and stones other than those mentioned in 17 05 03	Building rubble, Clay, Contaminated soil (all types of soil), Stone, Sub soil, Rock - crushed, Rock - excavated, Sand, Top soil, Vermiculite, Soil, Soil - contaminated, Soil and stones (mixed)	**1,06**	**1,37**	**1,80**
17 05 05*	dredging spoil containing dangerous substances	Contaminated silt and dredgings, Contaminated silt, Dredgings, Dredgings and silt- contaminated, Silt, Silt - contaminated	**0,51**	**0,94**	**1,80**
17 05 06	dredging spoil other than those mentioned in 17 05 05	Contaminated silt and dredgings, Contaminated silt, Dredgings, Dredgings and silt- contaminated, Silt, Silt - contaminated	**0,51**	**0,79**	**1,35**
17 05 07*	track ballast containing dangerous substances	Contaminated railway ballast, Railway ballast, Contaminated rock	**1,09**	**1,32**	**1,80**
17 05 08	track ballast other than those mentioned in 17 05 07	Contaminated railway ballast, Railway ballast	**1,09**	**1,32**	**1,80**
17 06	**insulation materials and asbestos-containing construction materials**				
17 06 01*	insulation materials containing asbestos	Asbestos, Asbestos - fibrous, Asbestos - insulation products	**0,28**	**0,69**	**1,50**
17 06 03*	other insulation materials consisting of or containing dangerous substances	To follow	**0,20**	**0,27**	**0,40**
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	To follow	**0,25**	**0,47**	**0,90**
17 06 05*	construction materials containing asbestos	Asbestos, Asbestos - bonded, Asbestos sheets - corrugated, Asbestos - bonded,	**0,31**	**0,91**	**1,50**
17 08	**gypsum-based construction material**				
17 08 01*	gypsum-based construction materials contaminated with dangerous substances	Gips (kalcijev sulfat); gipsane ploče; kalcijev sulfat	**0,33**	**0,43**	**0,61**
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01	Gips (kalcijev sulfat); gipsane ploče; kalcijev sulfat	**0,33**	**0,43**	**0,61**
17 09	**other construction and demolition wastes**				
17 09 01*	construction and demolition wastes containing mercury	construction and demolition wastes - contaminated	**0,27**	**0,50**	**0,72**
17 09 02*	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)	construction and demolition wastes - contaminated	**0,27**	**0,60**	**0,93**
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances	construction and demolition wastes - contaminated	**0,27**	**0,27**	**0,27**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	construction and demolition wastes - contaminated	**0,32**	**0,45**	**0,60**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
18	**WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)**				
18 01	**wastes from natal care, diagnosis, treatment or prevention of disease in humans**				
18 01 01	sharps (except 18 01 03)	Clinical waste - autoclaved, Clinical waste, Hospital waste - clinical, Hospital - clinical waste, Clinical waste n/o/s, Materials - infected (clinical), Needles (clinical), Sharps - human treatment, Syringes	**0,19**	**0,29**	**0,50**
18 01 02	Body parts and organs including blood bags and blood preserves (except 18 01 03)	Blood - Human, Clinical waste - autoclaved, Clinical waste, Hospital - clinical waste, Clinical waste n/o/s, Materials - infected (clinical), Hospital waste - clinical, Human tissue, Tissue - human	**0,29**	**0,38**	**0,55**
18 01 03*	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Clinical waste - autoclaved, Clinical waste, Used stoma bags, Bags - stoma (used) Stoma bags (used), Dressings - soiled, Soiled dressings, Soiled swabs, Swabs - soiled, Hospital - clinical waste, Clinical waste n/o/s, Infectious materials (clinical), infective materials (medicinal)	**0,23**	**0,36**	**0,50**
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection(for example dressings, plaster casts, linen, disposable clothing, diapers)	Clinical waste - autoclaved, Clinical waste, Used stoma bags, Bags - stoma (used), Autoclaved clinical waste, Stoma bags (used), Dressings - soiled, Soiled dressings, Soiled swabs, Swabs - soiled, Hospital - clinical waste, Clinical waste n/o/s, Infectious	**0,21**	**0,36**	**0,50**
18 01 06*	chemicals consisting of or containing dangerous substances	Ethanol	**0,50**	**0,70**	**0,90**
18 01 07	chemicals other than those mentioned in 18 01 06	To follow	**0,50**	**0,77**	**0,90**
18 01 08*	cytotoxic and cytostatic medicines	Hospital - clinical waste, Drugs - controlled, Drugs - cytotoxic, Drugs - prescribed, Medicines - prescription, Pharmaceutical products, Pharmaceutical waste, Hospital waste - clinical	**0,50**	**0,70**	**0,90**
18 01 09	medicines other than those mentioned in 18 01 08	Drugs - controlled, Drugs - prescribed, Medicines - non-prescription, Medicines - prescription, Hospital - clinical waste, Pharmaceutical products, Pharmaceutical waste, Hospital waste - clinical	**0,50**	**0,77**	**0,90**
18 01 10*	amalgam waste from dental care	Amalgam - dental, Hospital - clinical waste, Hospital waste - clinical	**0,50**	**0,97**	**1,50**
18 02	**wastes from research, diagnosis, treatment or prevention of disease involving animals**				
18 02 01	sharps (except 18 02 02)	Clinical waste, Needles (clinical), Hospital - clinical waste, Hospital waste - clinical, Sharps - animal treatment, Syringes	**0,18**	**0,29**	**0,50**
18 02 02*	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Clinical waste, Infected animal parts, Animal bedding - soiled, Animal carcasses Animal faeces, Animal tissue - infectious, Carcasses, Needles (clinical),	**0,23**	**0,71**	**1,20**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		Excrement - animal, Manure - animal, Swabs - soiled, Healthcare risk waste, Paper wipes (used)			
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection	Clinical waste, Animal bedding - soiled, Animal carcasses, Animal faeces, Animal tissue - non-infectious, Autoclaved clinical waste, Carcasses, Excrement - animal, Manure - animal, Swabs - soiled, Paper towels (used), Paper wipes - contaminated	**0,23**	**0,52**	**1,10**
18 02 05*	chemicals consisting of or containing dangerous substances	Ethanol	**0,50**	**0,70**	**0,90**
18 02 06	chemicals other than those mentioned in 18 02 05	To follow	**0,50**	**0,77**	**0,90**
18 02 07*	cytotoxic and cytostatic medicines	Drugs - controlled, Drugs - cytotoxic, Drugs - prescribed, Medicines - prescription, Pharmaceutical products, Pharmaceutical waste, Hospital - clinical waste, Hospital waste – clinical	**0,90**	**0,90**	**0,90**
18 02 08	medicines other than those mentioned in 18 02 07	Drugs - controlled, Drugs - prescribed, Medicines - non-prescription, Medicines - prescription, Pharmaceutical products, Pharmaceutical waste, Hospital - clinical waste, Hospital waste – clinical	**0,90**	**0,90**	**0,90**
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**				
19 01	**wastes from incineration or pyrolysis of waste**				
19 01 02	ferrous materials removed from bottom ash	Cast iron waste and scrap, Ferrous metal scrap, Iron - scrap, Iron corrugated sheets, Steel, Steel - scrap, Steel cladding, Metal - scrap, Metal - scrap (ferrous), Mixed ferrous and non-ferrous scrap, Mixed scrap metal, Scrap metal, Scrap metal (mixed),	**0,43**	**0,95**	**2,00**
19 01 05*	filter cake from gas treatment	Filter cake - dewatered, Filter cake n/o/s, Chlorinated dioxins	**0,33**	**0,72**	**1,10**
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes	To follow	**0,90**	**0,95**	**1,00**
19 01 07*	solid wastes from gas treatment	APC residues - MSW combustion, Gas treatment waste	**0,74**	**0,92**	**1,10**
19 01 10*	spent activated carbon from flue-gas treatment	Carbon (activated) - contaminated, Carbon - activated, Activated carbon, Activated carbon contaminated	**0,24**	**0,67**	**1,10**
19 01 11*	bottom ash and slag containing dangerous substances	To follow	**0,46**	**0,68**	**0,90**
19 01 12	bottom ash and slag other than those mentioned in 19 01 11	Combustion residue (MSW) - bottom ash, Ash - bottom, Ash - pulverised fuel (PFA), PFA, Foundry furnace ash, Furnace ash (foundries), Furnace bottom ash, Furnace slag, Grate ash - MSW combustion residue, MSW combustion residue - heat recovery system ash	**0,46**	**0,61**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
19 01 13*	fly ash containing dangerous substances	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat, MSW combustion residue - heat recovery system ash, Chlorinated dioxins	**0,59**	**0,75**	**0,90**
19 01 14	fly ash other than those mentioned in 19 01 13	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat, MSW combustion residue - heat recovery system ash	**0,59**	**0,70**	**0,90**
19 01 15*	boiler dust containing dangerous substances	Dust - furnace (foundries), Chlorinated dioxins	**0,90**	**0,90**	**0,90**
19 01 16	boiler dust other than those mentioned in 19 01 15	Dust - furnace (foundries)	**0,59**	**0,74**	**0,90**
19 01 17*	pyrolysis wastes containing dangerous substances	To follow	**0,90**	**1,00**	**1,10**
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17	To follow	**0,90**	**0,90**	**0,90**
19 01 19	sands from fluidised beds	Sand	**1,17**	**1,17**	**1,17**
19 01 99	wastes not otherwise specified	To follow	**0,63**	**0,79**	**1,00**
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**				
19 02 03	premixed wastes composed only of non-hazardous wastes	Cyclone deposits	**0,49**	**0,83**	**1,50**
19 02 04*	premixed wastes composed of at least one hazardous waste	Cyclone deposits	**0,49**	**0,49**	**0,49**
19 02 05*	sludges from physico/chemical treatment containing dangerous substances	Settled sludge, Sludge - contaminated, Sludge - settled	**0,90**	**1,05**	**1,20**
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	Settled sludge, Sludge - settled	**0,90**	**1,00**	**1,20**
19 02 07*	oil and concentrates from separation	To follow	**0,90**	**0,90**	**0,90**
19 02 08*	liquid combustible wastes containing dangerous substances	To follow	**0,65**	**0,65**	**0,65**
19 02 09*	solid combustible wastes containing dangerous substances	To follow	**0,23**	**0,23**	**0,23**
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09	To follow	**0,37**	**0,37**	**0,37**
19 02 11*	other wastes containing dangerous substances	To follow	**0,72**	**0,72**	**0,72**
19 02 99	wastes not otherwise specified	N/A	**0,58**	**0,64**	**0,75**
19 03	**stabilised/solidified wastes**				
19 03 04*	wastes marked as hazardous, partly stabilised	To follow	**1,17**	**1,17**	**1,17**
19 03 05	stabilised wastes other than those mentioned in 19 03 04	To follow	**1,48**	**1,48**	**1,48**
19 03 06*	wastes marked as hazardous, solidified	To follow	**1,17**	**1,17**	**1,17**
19 03 07	solidified wastes other than those mentioned in 19 03 06	To follow	**0,36**	**0,36**	**0,36**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
19 04	**vitrified waste and wastes from vitrification**				
19 04 01	vitrified waste	Vitrified ash	**1,35**	**1,35**	**1,35**
19 04 02*	fly ash and other flue-gas treatment wastes	Ash - fly, Fly ash - coal, Fly ash - oil, Fly ash - peat, Vitrified ash	**0,59**	**1,05**	**1,50**
19 04 03*	non-vitrified solid phase	non-vitrified solid phase	**0,90**	**0,90**	**0,90**
19 04 04	aqueous liquid wastes from vitrified waste tempering	To follow	**0,90**	**0,90**	**0,90**
19 05	**wastes from aerobic treatment of solid wastes**				
19 05 01	non-composted fraction of municipal and similar wastes	Composted household waste	**0,35**	**0,35**	**0,35**
19 05 02	non-composted fraction of animal and vegetable waste	To follow	**0,35**	**0,35**	**0,35**
19 05 03	off-specification compost	Composted household waste, Compost - spent	**0,43**	**0,43**	**0,43**
19 05 99	wastes not otherwise specified	To follow	**0,33**	**0,33**	**0,33**
19 06	**wastes from anaerobic treatment of waste**				
19 06 03	liquor from anaerobic treatment of municipal waste	To follow	**0,92**	**0,92**	**0,92**
19 06 04	digestate from anaerobic treatment of municipal waste	Composted household waste	**0,53**	**0,53**	**0,53**
19 06 05	liquor from anaerobic treatment of animal and vegetable waste	To follow	**0,92**	**0,92**	**0,92**
19 06 06	digestate from anaerobic treatment of animal and vegetable waste	To follow	**0,53**	**0,53**	**0,53**
19 06 99	wastes not otherwise specified	To follow	**0,62**	**0,62**	**0,62**
19 07	**landfill leachate**				
19 07 02*	landfill leachate containing dangerous substances	Leachate - landfill	**0,90**	**0,95**	**1,00**
19 07 03	landfill leachate other than those mentioned in 19 07 02	Leachate - landfill	**0,90**	**0,93**	**1,00**
19 08	**wastes from waste water treatment plants not otherwise specified**				
19 08 01	screenings	Sewage, Sewage sludge, Sewage sludge - digested, Waste water treatment sludge, Sludge - sewage, Sludge - waste water treatment	**0,33**	**0,49**	**0,80**
19 08 02	waste from desanding	To follow	**0,74**	**0,96**	**1,40**
19 08 05	sludges from treatment of urban waste water	Primary sludge, Secondary sludge, Settled sludge, Sewage, Sewage sludge, Sewage sludge - digested, Waste water treatment sludge, Sludge - primary, Sludge - secondary, Sludge - settled, Sludge - sewage, Sludge - waste water treatment	**0,33**	**0,62**	**1,20**
19 08 06*	saturated or spent ion exchange resins	Ion exchange resin	**0,42**	**0,66**	**0,90**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
19 08 07*	solutions and sludges from regeneration of ion exchangers	Sludge - contaminated	**0,90**	**1,10**	**1,30**
19 08 08*	membrane system waste containing heavy metals	To follow	**0,72**	**0,72**	**0,72**
19 08 09	grease and oil mixture from oil/water separation containing edible oil and fats	Animal grease, Greases, Oil - cooking, Oil - vegetable, Vegetable oil, Vegetable oil and water, Water/oil mixtures	**0,61**	**0,72**	**0,93**
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09	Animal grease, Greases, Water/oil mixtures	**0,61**	**1,02**	**1,52**
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water	Primary sludge, Secondary sludge, Settled sludge, Sewage, Sewage sludge, Sewage sludge - digested, Waste water treatment sludge, Sludge - contaminated, Sludge - primary, Sludge - secondary, Sludge - settled, Sludge - sewage, Sludge - waste water treatment	**0,40**	**0,96**	**1,52**
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11	Primary sludge, Secondary sludge, Settled sludge, Sewage, Sewage sludge, Sewage sludge - digested, Waste water treatment sludge, Sludge - primary, Sludge - secondary, Sludge - settled, Sludge - sewage, Sludge - waste water treatment	**0,40**	**0,78**	**1,52**
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water	Secondary sludge, Settled sludge, Sludge - contaminated, Sludge - secondary Sludge - settled	**0,90**	**1,21**	**1,52**
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13	Secondary sludge, Settled sludge, Sludge - contaminated, Sludge - secondary Sludge - settled	**0,90**	**1,11**	**1,52**
19 08 99	wastes not otherwise specified	To follow	**0,59**	**0,84**	**1,23**
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**				
19 09 01	solid waste from primary filtration and screenings	To follow	**0,40**	**0,44**	**0,50**
19 09 02	sludges from water clarification	Settled sludge, Sludge - settled	**0,90**	**0,97**	**1,12**
19 09 03	sludges from decarbonation	Settled sludge, Sludge - settled	**0,90**	**0,97**	**1,10**
19 09 04	spent activated carbon	Carbon (activated) - contaminated, Carbon - activated, Carbon, Activated carbon, Anthracite filters, Filters - anthracite	**0,24**	**0,42**	**0,80**
19 09 05	saturated or spent ion exchange resins	Ion exchange resin	**0,42**	**0,55**	**0,80**
19 09 06	solutions and sludges from regeneration of ion exchangers	To follow	**0,90**	**1,05**	**1,30**
19 09 99	wastes not otherwise specified	To follow	**0,56**	**0,71**	**0,99**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
19 10	**wastes from shredding of metal-containing wastes**				
19 10 01	iron and steel waste	Cable stripping waste, Cast iron waste and scrap, Ferrous metal scrap, Ferrous metal turnings, Iron - scrap, Iron corrugated sheets, Steel, Steel (of reinforced concrete), Steel - scrap, Ferrous swarf, Steel cladding, Metal - fragmentised, Fragmentiser residues	**0,30**	**0,30**	**0,30**
19 10 02	non-ferrous waste	Cable stripping waste, Copper - scrap, Copper waste and scrap, Metal - fragmentised, Fragmentiser residues, Metal - scrap, Metal - scrap (non-ferrous), Mixed ferrous and non-ferrous scrap, Mixed scrap metal, Scrap metal, Scrap metal (mixed), Scrap metal	**0,30**	**0,70**	**0,90**
19 10 03*	fluff-light fraction and dust containing dangerous substances	Fragmentiser residues	**0,28**	**0,29**	**0,30**
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03	Fragmentiser residues	**0,28**	**0,29**	**0,30**
19 10 05*	other fractions containing dangerous substances	Fragmentiser residues	**0,21**	**0,26**	**0,30**
19 10 06	other fractions other than those mentioned in 19 10 05	Fragmentiser residues	**0,21**	**0,24**	**0,30**
19 11	**wastes from oil regeneration**				
19 11 01*	spent filter clays	Clay - contaminated	**0,42**	**0,91**	**1,60**
19 11 02*	acid tars	To follow	**0,90**	**1,05**	**1,20**
19 11 03*	aqueous liquid wastes	Mixtures of water and oil	**0,90**	**0,95**	**1,00**
19 11 04*	wastes from cleaning of fuel with bases	Alkali	**0,90**	**0,90**	**0,90**
19 11 05*	sludges from on-site effluent treatment containing dangerous substances	Sludge - precipitated; sludge - polluted; sludges from biological treatment of effluents dehydrated; sludge from effluent treatment - biological (dehydrated)	**0,92**	**0,92**	**0,92**
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05	Sludge - precipitated; sludge - polluted; sludges from biological treatment of effluents dehydrated; sludge from effluent treatment - biological (dehydrated)	**0,92**	**0,92**	**0,92**
19 11 07*	wastes from flue-gas cleaning	To follow	**0,74**	**0,74**	**0,74**
19 11 99	wastes not otherwise specified	To follow	**0,74**	**0,86**	**1,05**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**				
19 12 01	paper and cardboard	Cardboard; newspapers; paper - office; Paper - for computers; paper; paper and cardboard (mixed); office paper; fiber	**0,21**	**0,24**	**0,30**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
19 12 02	ferrous metal	The steel cladding; steel wool; Steel - waste; steel; metal - waste; Metal - waste (containing iron); metal furniture; mixed waste from ferrous and non-ferrous metals; Mixed scrap metal; chippings containing iron; Waste and scrap of cast iron; waste and scrap of stainless steel; waste of ferrous metals; otpadnimetal - mixed ferrous and non-ferrous metals; scrap metal - mixed; scrap metal; barrier (metal) - protection; security barrier (metal); containing iron filings; corrugated iron sheets; iron - waste	**0,30**	**0,40**	**0,58**
19 12 03	non-ferrous metal	Aluminium; aluminum foil; copper - waste; bronze - otapdna; pipes (lead), zinc - waste; tin - waste; chrome; metal - waste; mixed waste from ferrous and non-ferrous metals; Mixed scrap metal; brass -otpaci; Lead - waste; zinc waste and scrap; waste and scrap of copper; waste and scrap of cadmium; waste and scrap of tin; otpadic and scrap of chromium; waste and ostatciod nickel; waste and scrap of lead; non-ferrous waste; aluminum scrap; waste zinc; Scrap metal - a mixed iron and nonferrous metals	**0,58**	**0,79**	**0,90**
19 12 04	plastic and rubber	cellophane - dry; tires (excluding tires); tires beans; beans gum; rubber - chopped; laminates - plastic, latex, latex and rubber (mixed) mixed plastics, waste stripping cable guide; plastic packaging; plastic foil; plastic beads; plastic bottles, plastic plates, plastic wrappers, plastic scrap baled; plastic containers, plastic, low density polyethylene, high density polyethylene, polypropylene, polypropylene film, polystyrene, polythene, polythene plate; polyurethane; polyvinyl chloride; pTFE 07, 07 PVC, resins of vinyl chloride	**0,28**	**0,29**	**0,30**
19 12 05	glass	frit; vitreous enamels; glass; glass - fracture	**0,33**	**0,33**	**0,33**
19 12 06*	wood containing dangerous substances	wood; timber - treated; scrap cutting wood	**0,24**	**0,41**	**0,58**
19 12 07	wood other than that mentioned in 19 12 06	wood; timber - untreated; pens; scrap cutting wood; chairs - wooden	**0,24**	**0,35**	**0,58**
19 12 08	textiles	noils of wool, pillows, jute, leather, nylon, leather cutting waste; waste of synthetic fibers, waste of silk, cotton, linen, polyester, processed textile fibers - synthetic, carpets, old fabrics, textiles, textile fibers (processed) - vegetable, textile fibers (revised) - a synthetic, textile fibers (revised) - mixed; textile fibers (revised) - animal; fabrics - cotton, fabrics - wool, fabric; wadding; fibers - textiles (processed) Synthetic; artificial	**0,23**	**0,23**	**0,23**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
		fibers; fiber - acrylic; wool			
19 12 09	minerals (for example sand, stones)	stone; sand; Tiles (noon) - ceramic; Tiles (noon) - slate; tile (roof) - clay, slate	**1,24**	**1,42**	**1,80**
19 12 10	combustible waste (refuse derived fuel)	To follow	**0,37**	**0,37**	**0,37**
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	bismuth; waste and scrap of bismuth; Waste television tubes; computer screens	**0,37**	**0,48**	**0,58**
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	To follow	**0,37**	**0,41**	**0,50**
19 12 99	wastes not otherwise specified	To follow	**0,39**	**0,47**	**0,58**
19 13	**wastes from soil and groundwater remediation**				
19 13 01*	solid wastes from soil remediation containing dangerous substances	To follow	**1,17**	**1,38**	**1,80**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01	To follow	**1,17**	**1,38**	**1,80**
19 13 03*	sludges from soil remediation containing dangerous substances	To follow	**0,90**	**1,20**	**1,80**
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03	To follow	**0,90**	**0,90**	**0,90**
19 13 05*	sludges from groundwater remediation containing dangerous substances	To follow	**0,90**	**0,90**	**0,90**
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05	To follow	**0,90**	**0,90**	**0,90**
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances	To follow	**0,90**	**0,90**	**0,90**
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07	To follow	**0,90**	**0,90**	**0,90**
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**				
20 01	**separately collected fractions (except 15 01)**				
20 01 01	paper and cardboard	Bobbins - paper, Civic amenity waste, Cardboard, Newspaper, Office paper, Paper, Paper - computer, Paper - office, Paper and cardboard (mixed), Paper sacks, Paper towels (used), Paper wipes - contaminated, Tissues	**0,13**	**0,18**	**0,21**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
20 01 02	glass	Bottles - glass, Civic amenity waste, Containers - glass, Containers - glass (contaminated), Fibreglass, Glass, Glass bottles, Glass containers, Glass fibre, Glass pots, Vitreous enamels	**0,33**	**0,62**	**1,20**
20 01 08	biodegradable kitchen and canteen waste	Canteen waste, Dairy products, Dairy products (solids), Dairy products (liquids), Milk, Food - canteen waste, Food - domestic, Food - condemned, Condemned food, Food processing waste, Beer, Biscuits, Alcoholic drinks, Alcohols, Chocolate, Fish - processi	**0,20**	**0,33**	**0,60**
20 01 10	clothes	N/o/s textiles, Clothes	**0,20**	**0,27**	**0,40**
20 01 11	textiles	N/o/s textiles, Clothes	**0,20**	**0,29**	**0,40**
20 01 13*	solvents	Civic amenity waste, Abaca tow, noils and yarn waste, Acrylic fibre, Carpets, Cotton, Cotton wool, Cushions, Fibre - acrylic, Fibres - textile (processed) - synthetic, Fibres man made, Synthetic fibre waste, Jute, Linen, Silk waste, Textile fibres (proces	**0,81**	**0,93**	**1,07**
20 01 14*	acids	Civic amenity waste, Chlorinated solvents (mixed)	**0,90**	**0,90**	**0,90**
20 01 15*	alkalines	Boric acid, Chromic acid, Acetic acid, Acid - acetic, Benzoic acid, Acids, Sulphuric acid, Inorganic acids, Formic acid, Nitric acid, Hydrochloric acid, Hydrofluoric acid, Hydrobromic acid, Acid	**0,90**	**0,90**	**0,90**
20 01 17*	photochemicals	Caustic - fluoride, Caustic - sulphide, Potassium hydroxide, Alkalies, Bases	**0,90**	**0,94**	**0,97**
20 01 19*	pesticides	Photographic chemicals	**0,76**	**0,83**	**0,90**
20 01 21*	fluorescent tubes and other mercury-containing waste	Biocides, Fungicides, Herbicides, Pesticides	**0,19**	**0,55**	**1,27**
20 01 23*	discarded equipment containing chlorofluorocarbons	Cathode ray tubes, Crushed fluorescent tubes, Fluorescent tubes, Fluorescent tubes- crushed, Lamps/tubes - mercury vapour, Light Bulbs (fluorescent), Mercury waste and residues, Scrap television tubes, Screens - computer, Tubes - fluorescent, Tubes	**0,30**	**0,30**	**0,30**
20 01 25	edible oil and fat	CFCs, Chlorofluorocarbons, Hydrocarbons - refrigerants, Refrigerants - CFC, Refrigerants - HCFCs, Refrigerants - HFCs, Fridges, Freezers	**0,60**	**0,69**	**0,95**
20 01 26*	oil and fat other than those mentioned in 20 01 25	Civic amenity waste, Cooking oil, Animal fat, Oil - cooking, Oil - vegetable, Vegetable oil, Vegetable oil and water	**0,57**	**0,76**	**0,95**
20 01 27*	paint, inks, adhesives and resins containing dangerous substances	Civic amenity waste, Cooking oil, Wax - paraffin, Animal fat	**0,57**	**0,86**	**1,15**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27	Civic amenity waste, Coatings - paint (PVC), Adhesives - solvent based, Glue - epoxy-based, Ink - halogenated, Epoxy/polyester powder paint, Lacquer, Non- halogenated adhesives, Non-halogenated paint waste, Paint - halogenated, Paint - non-halogenated, Pai	**0,57**	**0,76**	**1,15**
20 01 29*	detergents containing dangerous substances	Civic amenity waste, Adhesives - water-based, Glue waste - animal based, Enamels, Epoxy/polyester powder paint, Lacquer, Hardened adhesives, Hardened sealants, Non-halogenated adhesives, Non-halogenated paint waste, Paint - non- halogenated, Paint - water	**0,90**	**1,20**	**1,50**
20 01 30	detergents other than those mentioned in 20 01 29	Cleaning compounds - halogenated, Chlorates, Detergents, Surfactant - ethoxylated alkyl	**0,90**	**1,10**	**1,50**
20 01 31*	cytotoxic and cytostatic medicines	Detergents, Genklene, Hair products and shampoo, Shampoo and other hair products, Surfactant - ethoxylated alkyl	**0,50**	**0,70**	**0,90**
20 01 32	medicines other than those mentioned in 20 01 31	Drugs - controlled, Drugs - cytotoxic, Drugs - prescribed, Medicines - prescription, Pharmaceutical products, Pharmaceutical waste	**0,50**	**0,77**	**0,90**
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Civic amenity waste, Batteries - lead acid (drained), Batteries - lead acid (undrained), Batteries - mercury, Batteries - nickel cadmium, Batteries - mixed	**1,35**	**2,83**	**4,30**
20 01 34	batteries and accumulators other than those mentioned in 20 01 33	Civic amenity waste, Batteries - alkaline, Batteries - lithium, Batteries - metal hydrides, Batteries - mixed	**1,35**	**2,33**	**4,30**
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Civic amenity waste	**0,21**	**0,21**	**0,21**
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	Bulbs - non fluorescent, Civic amenity waste, Bulbs - Non Fluorescent, Light bulbs (non fluorescent)	**0,21**	**0,23**	**0,25**
20 01 37*	wood containing dangerous substances	timber - treated, wood, scrap wood cuttings	**0,23**	**0,36**	**0,48**
20 01 38	wood other than that mentioned in 20 01 37	Civic amenity waste, Timber - treated, Wood, Wood cuttings	**0,19**	**0,28**	**0,48**
20 01 39	plastics	Civic amenity waste, Cork, Pencils, Timber - untreated, Wood, Wood cuttings	**0,14**	**0,72**	**2,00**
20 01 40	metals	Bobbins - plastic, Bottles - plastic, Civic amenity waste, Cling film, Compact discs, Computer disks, Bags - plastic, Baled plastic waste, Cellophane - dry, Chairs - plastic, Film - plastic, Laminates - plastic, Latex, Latex and rubber (mixed), Low densit	**0,01**	**0,62**	**2,00**

Key code	NAME OF THE WASTE		Conversion factors m^3 into tones		
			MIN	AVERAGE	MAX
20 01 41	wastes from chimney sweeping	Brass - scrap, Civic amenity waste, Aluminium, Aluminium foil, Cast iron waste and scrap, Chairs - metal, Copper - scrap, Copper waste and scrap, Domestic appliances (gas powered), Domestic appliances (mechanical), Ferrous and non- ferrous (mixed) scrap, F	**0,74**	**0,74**	**0,74**
20 01 99	other fractions not otherwise specified	To follow	**0,52**	**0,75**	**1,11**
20 02	**garden and park wastes (including cemetery waste)**				
20 02 01	biodegradable waste	Civic amenity waste, Animal faeces, Bark, Grass, Excrement - animal, Manure - animal, Garden waste, Green waste, Horticultural waste, Plant tissue, Parks and garden waste, Tissue - plant, Trees, Trimmings - hedge and tree, Vegetation, Weeds, Wood, Wood cut	**0,38**	**0,39**	**0,40**
20 02 02	soil and stones	Civic amenity waste, Stone, Sub soil, Garden waste, Parks and garden waste, Top soil, Vermiculite, Soil, Soil and stones (mixed))	**0,86**	**1,17**	**1,80**
20 02 03	other non-biodegradable wastes	To follow	**0,49**	**0,59**	**0,81**
20 03	**other municipal wastes**				
20 03 01	mixed municipal waste	Civic amenity waste, Commercial waste, Chemical waste - general factory, Domestic waste, Sweepings - floor, Floor sweepings, Litter bin waste, General administration waste, General commercial waste, General industrial waste, General office waste, General	**0,10**	**0,19**	**0,26**
20 03 02	waste from markets	Waste from markets	**0,14**	**0,29**	**0,60**
20 03 03	street-cleaning residues	Street sweepings, Litter, Gully emptyings, Road sweepings	**0,47**	**0,58**	**0,80**
20 03 04	septic tank sludge	Septic tank sludge, Cesspit sludge, Cesspool waste, Chemical toilet waste, Effluent - septic tank, Settled sludge, Toilet - chemical waste, Sludge - settled	**0,92**	**1,25**	**1,90**
20 03 06	waste from sewage cleaning	To follow	**0,80**	**0,88**	**0,92**
20 03 07	bulky waste	Bulky household waste, Civic amenity waste, Chairs - plastic, Chairs - metal, Chairs - wooden, Domestic appliances (gas powered), Domestic appliances (mechanical), Mattresses, Foam rubber, Furniture - metal, Furniture - office, Gas powered domestic appliances	**0,18**	**0,18**	**0,18**
20 03 99	municipal wastes not otherwise specified	To follow	**0,45**	**0,56**	**0,75**

2. Auxiliary table to determine the weight of waste in practice

It is standard practice that the data on waste compared tons (weight) than by volume. The following tables in this document represent some of the short films that are used in the field by the statisticians and reporting units primarily for simplicity.

Experience on the ground shows that there are efforts to get closer to the situation on the ground invested by some to national statistics for the definition and use of the conversion factor in the tone according to types of waste through the different volume units of waste obtained from the reporting units (such as pieces, cubic meters, kilograms, liters, containers, etc.) and their conversion to the weight.

a) Table 4 shows some of the most common groups and types of waste with the conversion factors in weight (tonnes / m^3)[1]

b) Table 5 shows the calculation of the weight by the type and volume of waste containers and it gives the conversion factors that can be applied to waste based on the size of the container useful where the landfill sites and other facilities have no scales.

c) Table 6 shows the application of the conversion factor volume into weight of waste expressed in volume units different from m^3

2.1. Determining the weight of waste of certain groups and types of waste

Table 4. Frequent groups and types of waste with the conversion factors in weight (tons/m^3)[2]

Waste group	Waste types	tons per 1m^3
Paper	Books, hardback, loose	0,314
	Books, paperback, loose	0,254
	Calendars/books	0,801
	Computer printout, loose	0,389
	Mixed paper, loose (construction, fax, manila, some chipboard)	0,216
	Mixed paper, compacted (construction, fax, manila, some chipboard)	0,448
	White ledger w/o CPO, loose	0,216
	White ledger, uncompacted stacked	0,237
	White ledger, compacted stacked	0,475
	Magazines, stacked	0,721
	Magazines, loose	0,564
	Manila envelope	0,593
	Newspapers, loose	0,237
	Newspapers, stacked	0,519
	Paper pulp, stock	0,977
	Old corrugated cardboard, flattened boxes, loose	0,03
	Old corrugated cardboard, stacked	0,03
	Old corrugated cardboard, whole boxes	0,01

[1] http://www.epa.gov/smm/wastewise/pubs/conversions.pdf
[2] http://www.epa.gov/smm/wastewise/pubs/conversions.pdf

	Old corrugated cardboard, uncompacted	0,059
	Old corrugated cardboard, compacted	0,237
	Old corrugated cardboard, baled	0,001
Plastic	Film plastic/mixed, loose	0,013
	HDPE film plastics, semi-compacted	0,045
	LDPE film plastics, semi-compacted	0,043
	HDPE (dairy only), whole, loose	0,015
	HDPE (dairy only), granulated	0,368
	HDPE (whole), compacted	0,014
	PET soda bottles, whole, loose	0,021
	Mixed PET & dairy, whole, loose	0,018
	Mixed PET, dairy & other rigid, whole, loose	0,024
	Mixed rigid, no film or dairy, whole, loose	0,03
	Mixed PET and HDPE, whole, loose	0,03
	Film plastics, loose and uncompacted	0,05
	Mixed HDPE & PET	0,019
	Whole, uncompacted PET	0,021
	Polyethylene, resin pellets	0,521
	Polystyrene beads	0,641
	Styrofoam kernels	0,004
	Polystyrene, blown formed foam	0,006
	Polystyrene, rigid, whole	0,013
	PVC, loose	0,202
Glass	Glass, broken	1,442
	Glass, plate	2,755
	Window	2,515
	Bottles, whole	0,593
	Glass, semi-crushed	0,831
	Glass, crushed (mechanically)	1,038
Organics	Bread	0,288
	Fat	0,913
	Fish, scrap	0,721
	Meat	0,849
	Oil, olive	0,915
	Oyster shells, whole	1,249
	Produce waste, mixed, loose	0,856
Garden waste	Yard trimmings, mixed	0,064
	Large limbs & stumps	0,641
	Pine needles, loose	0,044
	Prunings, dry	0,022
	Prunings, green	0,028
	Prunings, shredded	0,313
	Hay, baled	0,384

	Hay, loose	0,08
	Straw, baled	0,384
	Straw, loose	0,048
	Compost	0,641
	Compost, loose	0,275
	Manure	0,401
	Manure, cattle	0,966
	Manure, dried poultry	0,66
	Manure, dried sheep & cattle	0,389
	Manure, horse	0,743
Other Waste and Mixed Municipal Waste	Leather, dry	0,865
	Leather, scrap, semi-compacted	0,18
	Rope	0,673
	Uncompacted communal waste	0,197 - 0,396 (0,29605 t average)
	Municipal waste compacted in truck	0,425 - 1,316
	Municipal waste pressed the packer truck 2,29 m^3	2,631
	Used clothing, mixed, loose	0,134
	Used clothing, compacted	0,32
	Wool	0,368
	Carpet & padding, loose	0,05
Metals	Aluminum foil, loose	0,029
	Aluminum scrap, cubed	0,252
	Aluminum scrap, whole	0,104
	Aluminum cans, crushed & uncrushed mix	0,054
	Aluminum cans (whole)	0,039
	Aluminum, chips	0,176
	Metal, car bumper	0,538
	Tin coated steel cans	0,504
	Cast iron chips or borings	2,643
	Iron cast ductile	7,112
	Iron, ore	2,403
	Iron, wrought	7,689
	Steel, shavings	0,993
	Steel, solid	7,801
	Steel, trimmings	1,762
	Steel/tin cans, whole	0,089
	Steel/tin cans, flattened	0,504
	Steel/tin case and aluminum cans comingled and flattened	0,137
	Brass, cast	1,33
	Brass, scrap	8,314
	Bronze	0,538
	Copper fittings, loose	8,842
	Copper pipe, whole	0,622
	Copper, ore	2,163
	Copper, cast	2,163

	Copper, wire, whole	0,649
	Chrome ore (chromite)	0,2
	Lead, commercial	11,373
	Lead, ore	3,764
	Nickel, ore	0,952
	Nickel, rolled	2,403
Rubber	Rubber, manufactured	1,522
	Rubber, pelletized	0,849
	Mixed plastic, glass and metal containers	0,105
Wood	Cork, dry	0,24
	Particleboard, loose	0,252
	Plywood, panel	0,461
	Roof shingles	0,258
	Sawdust, loose	0,223
	Shavings, loose	0,261
	Wood chips, chopped	0,297
	Wood waste, bulk	0,196
	Wood, pulp, wet	0,881
	Wood, chips	0,24
	Ash, dry	0,609
	Ash, wet	0,769
Construction and Demolition Debris	Asphalt, crushed	0,721
	Asphalt / materials for pavement, broken	0,001
	Asphalt / shingle, scattered	0,248
	Brick, full	1,89
	Brick, full	1,794
	Cement, bulk	1,602
	Cement, mortar	2,323
	Ceramic tiles, bulk	0,72
	Chalk, pieces	1,282
	Charcoal	0,449
	Clay, kaolin	0,449
	Clay, dry	1,906
	Concrete	1,602
	Concrete, waste, bulk	1,101
	Country, plain, dry	1,201
	Country, scattered	1,217
	Country, moist, loose	1,249
	Soil, mud	1,73
	Soil, wet, containing clay	1,682
	Fiberglass insulation, scattered	0,01
	Glass, broken	1,442
	Glass, plate	2,755
	Glass, window	2,515
	Granite, broken	1,602

	Granite, in one piece	2,403
	Sand, dry	1,602
	Gravel, bulk	1,522
	Pebbles, wet	1,762
	Plaster, powder	1,121
	Gypsum, solid	2,275
	Lime, hydrated	0,481
	Lime, crushed	1,41
	Lime, finely minced	1,599
	Lime, in pieces	2,643
	Mortar, hardened	1,65
	Plaster, wet	2,403
	Sludge, dry	1,762
	Mud, wet liquid	1,922
	Gravel	1,522
	Quartz sand	1,201
	Quartz, in one piece	2,643
	Stone, bulk	1,525
	Sand, dry	1,522
	Sand, bulk	1,448
	Sand, wet	1,682
	Sand, wet	1,922
	Sewage sludge	0,721
	Dried sewage sludge	0,561
	Slag, broken	1,185
	Slag, scattered	1,762
	Slag, in pieces	2,643
	Slate, granulated	1,522
	Slate, in pieces	2,723
	Soap, bits	0,288
	Soap, powder	0,368
	Soil / sandy loam, scattered	1,419
	Stone or gravel	1,57
	Stone, broken	1,602
	Stone, large pieces	1,602
	Wax	0,969
	Wood ash	0,769

2.2. *Waste weight determining by type and volume of waste containers*

Table 5: Calculation of weight according to the type and volume of waste containers

Type of waste containers	Capacity	Unit	Tons
Garbage bags	0,08	m^3	0,08
Ash bin	0,09	m^3	0,09
Container on wheels (Euro)	120	liter	0,12
Drum	205	liter	0,205
Container on wheels (Euro)	240	liter	0,24
Container on wheels (Euro)	360	liter	0,36
Container on wheels (4 wheels)	500	liter	0,5
Container on wheels (4 wheels)	660	liter	0,66
Container on wheels (4 wheels)	820	liter	0,82
Bulk waste	1	tons	1
Small / Medium sized car	1	piece	1
Container on wheels (4 wheels)	1.100	liter	1,1
Single axis trailer		tons	1,3
Higher vehicle / Pickup	1	komad	2
Twin axis trailer		tons	2,6
Open trucks, gross	< 5	tons	3,9
Waste container	2-4	m^3	3,9
Trucks for compacting trash	<8	m^3	5,2
Open trucks, gross	> 5 < 12	tons	7,8
Waste container	4-8	m^3	7,8
The truck / wagon	10	tons	10
Open trucks - 3 axis		tons	13
Waste container	8-12	m^3	13
Trucks for compacting trash	8-12	m^3	13
Open Trucks- 4 axis		tons	15,6
Waste container	12-19	m^3	20,15
Trucks for compacting trash	12-18	m^3	20,15
Waste container	> 20	m^3	22
Open Trucks- 5 axis		tons	23,4
Open Trucks- 6 axis		tons	26
Open Trucks- 8 axis		tons	26
Trucks for compacting trash	18-32	m^3	32,5
Trucks for compacting trash	>32	m^3	45,5

Examples:

a) **What is the weight of the barrel containing the solvent volume of 205 liters?**
205 (l) x 0.81 (vol. to tonnes conversion factor for EWC code 20 01 13 * - solvents)
One barrel weighs **166,05 kg**, or **0,166 tons** of solvent. Additional **15 kg** of the weight of an empty barrel must be taken into account[3] should be reported under the code for scrap metal.

b) **What is the mass of garbage bags volume of 80 liters containing solid waste?**
80 (liters) x 0.26 (vol. to tonnes conversion factor for EWC code 20 03 01 - Municipal waste = **20 kg, or 0,021 tons**

2.3. Waste weight determining when expressed in units different from m³

Table 6. Conversion factors for waste expressed in cubic units different from m ³

WASTE TYPE	Unit	Conversion factors into tons
Waste oils, emulsions	barrel	0,2
Bulbs	piece	0,00003
Fluorescent bulbs	piece	0,0002
Refrigerator	piece	0,052
Oil	liter	0,0009
Oil	barrel	0,18
Catalysts	piece	0,006
Brake fluid	liter	0,0009
Brake fluid	barrel	0,198
Coolant	liter	0,001
Coolant	barrel	0,22
Washer fluid	liter	0,001
Washer fluid	liter	0,22
Al hubcap	piece	0,0009
Al wheels	piece	0,0045
Tires (without rims)	piece	0,008
Tires (without rims)	container	6,4
Oil filter	piece	0,00025
Naphta	barrel	0,07
Hg (switch)	piece	0,00001
airbag	piece	0,003
Car body	piece	0,9
Car Battery	piece	0,018

[3] Source: Abora™ General Shipping Information, web at: http://www.aborausa.com/eng/aborashipping.html

Sources

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