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Agroscope

PAUL SCHERRER INSTITUT



EPFL



Empa

Materials Science and Technology

Current Licence: v3 / Educational

Selected Database: version 3.8 (2021)

Maintenance End Date: 6/1/2022

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## Dataset Information (LCI)

cork slab production, RER, (Author: Frank Werner active)

Link to: [Exchanges](#) - [Exchanges Properties](#)

Activity

**Activity Name** cork slab production

Type SystemTerminated

Special Type OrdinaryTransformingActivity

Inheritance NotAChild  
Depth

this cork product is used e.g. as underlay for floating floorings or as insulation material.

**General Comment** [This dataset was already contained in the ecoinvent database version 2. It was not individually updated during the transfer to ecoinvent version 3. Life Cycle Impact Assessment results may still have changed, as they are affected by changes in the supply chain, i.e. in other datasets. This dataset was generated following the ecoinvent quality guidelines for version 2. It may have been subject to central changes described in the

ecoinvent version 3 change report (<http://www.ecoinvent.org/database/ecoinvent-version-3/reports-of-changes/>), and the results of the central updates were reviewed extensively. The changes added e.g. consistent water flows and other information throughout the database. The documentation of this dataset can be found in the ecoinvent reports of version 2, which are still available via the ecoinvent website. The change report linked above covers all central changes that were made during the conversion process.]

**Included**

**Activities** From cradle, i.e. including all upstream activities.

Start

**Included**

**Activities** Includes the material and energy inputs to the production processes, transports of the material inputs and the available process emissions.

End

Synonym

Tags Swiss brush-up completed, ConvertedDataset

Energy Values Undefined

Master

Allocation

Property

Allocation

Comment

Dataset

Icon

Classifications

System : Value ISIC rev.4 ecoinvent: 0230:Gathering of non-wood forest products

Geography

Shortname RER

Longname Europe

**Comment** production data for one major producer in Portugal used for Europe

Technology

Technology Level Current

Comment mix of continuous fabrication and fabrication in moulds and splitting (batch process)

**Time Period**

Start Of Period 2001

End Of Period 2021

Data Valid For Entire Period Yes

Comment

Macro Economic Scenario

Value Business-as-Usual

Comment

Modelling And Administrative

Representativeness

**System Model** Substitution, consequential, long-term

Percent

Sampling  
Procedure

literature

Extrapolations

This dataset has been extrapolated from year 2001 to the year of the calculation (2021). The uncertainty has been adjusted accordingly.

Review

Reviewer

Name [System]  
Address  
Telephone  
Telefax  
Email support@ecoinvent.org  
Company Code

Reviewed Major Release 3

Reviewed Minor Release 0

Reviewed Major Revision 129

Reviewed Minor Revision 3

Review details

Other details

Reviewer

Name Emilia Moreno Ruiz  
Address Technoparkstrasse 1, 8005 Zürich, Switzerland  
Telephone  
Telefax  
Email moreno@ecoinvent.org  
Company Code ECOINV

Reviewed Major Release 3

Reviewed Minor Release 0

Reviewed Major Revision 129

Reviewed Minor Revision 3

Review details

Other details

Data Entry By

Person

Name Frank Werner  
Address Idaplatz 3, 8003 Zurich, Switzerland  
Telephone  
Telefax  
Email frank@frankwerner.ch  
Company Code U+E

Is Active Author Yes

Data Generator And Publication

Person

Name Frank Werner  
Address Idaplatz 3, 8003 Zurich, Switzerland  
Telephone

	Telefax	
	Email	frank@frankwerner.ch
	Company Code	U+E
Data published in	DataHasBeenPublishedEntirelyIn	
	Source Type	SeparatePublication
	First Author	Kellenberger D.
	Additional Authors	Althaus H.-J., Jungbluth N., Künniger T.
	Year	2007
Reference to published source	Title	Life Cycle Inventories of Building Products
	Title Of Anthology	Final report ecoinvent data v2.0
	Place Of Publications	Dübendorf, CH
	Publisher	Swiss Centre for LCI, Empa - TSL
	Volume Number	7
Page numbers		
Copyright	Yes	
Access restricted to	Licensees	
Company		
Company Code		
File Attributes		
Quality Network		
Major Release	3	
Minor Release	0	
Major Revision	133	
Minor Revision	0	
Default Language	en	
Creation Timestamp	2019-05-04	
Last Edit Date	2019-05-04	
Internal Schema Version	2.0.12	
File Generator		
File Timestamp	2019-05-04	

Link to: [Activity Information](#) - [Exchanges Properties](#)

Unit Process Exchanges

**Name Amount Unit Uncertainty SD**

Reference Products

cork slab 1 kg

Uncertainty

Compartment

Classification

(Cut-off

System allocatable product

Model)

Subcompartment

31921: Natural cork, debarked or roughly squared, or in blocks, plates, sheets or strip;

Classification (CPC)

crushed, granulated  
or groun[...]Classification  
(EcoSpold01)

Formula

CAS-Number

Synonym

Activity Link

Variable Name

Mathematical  
Relation

Comment

Tags

Source

Page  
Numbers

Annual Production Volume	1.32236940655721
--------------------------------	------------------

Production  
Volume  
Variable  
NameProduction  
Volume  
Mathematical  
RelationProduction  
Volume  
Comment

This is a placeholder value that does not reflect real-world production volumes. This dataset does not currently require a real-world production volume to work in the database framework, and no actual data were collected yet. This has no negative effect on the results of the ecoinvent database. The placeholder value of this activity was scaled according to the nominal GDP of 2005 (source: United Nations, <http://data.un.org/Glossary.aspx?q=GDP+%28current+US%24%29>, accessed 20130726) to reflect an appropriate share of the global production volume, which is also a placeholder value.

Specific  
Allocation  
PropertyBy-product/Waste  
To Environment  
air

1,4-Butanediol -1.064E-11 kg

1-Pentanol -4.6201E-12 kg

1-Pentene 1.1594E-11 kg

2,2,4-Trimethyl pentane -3.8624E-13 kg

2,4-D 2.0669E-10 kg

2,4-DB 8.4265E-14 kg

2-Aminopropanol -5.4622E-12 kg

2-Methyl pentane 1.4352E-09 kg

2-Methyl-1-propanol -2.0166E-11 kg

2-Methyl-2-butene -7.5892E-16 kg

2-Nitrobenzoic acid -1.3138E-11 kg

2-Propanol 1.4033E-07 kg

2-Propanol 4.1999E-13 kg

2-Propanol -0.00012348 kg  
4-Methyl-2-pentanone 9.1785E-15 kg  
4-Methyl-2-pentanone 1.4336E-12 kg  
Acenaphthene 3.0791E-12 kg  
Acenaphthene 4.7647E-11 kg  
Acenaphthylene 1.4953E-12 kg  
Acephate 2.197E-11 kg  
Acetaldehyde 5.3667E-07 kg  
Acetaldehyde 5.065E-10 kg  
Acetaldehyde -2.4039E-06 kg  
Acetamide 5.4081E-12 kg  
Acetic acid 2.4762E-07 kg  
Acetic acid 6.1989E-08 kg  
Acetic acid 1.3375E-07 kg  
Acetone -5.6656E-06 kg  
Acetone 2.3062E-07 kg  
Acetone 1.9566E-07 kg  
Acetonitrile -2.8825E-08 kg  
Acifluorfen 3.0159E-12 kg  
Acrolein 1.9428E-08 kg  
Acrolein -1.533E-07 kg  
Acrolein 2.29E-10 kg  
Acrylic acid 1.1771E-09 kg  
Actinides, radioactive, unspecified 2.4512E-08 kBq  
Aerosols, radioactive, unspecified 1.8597E-09 kBq  
Alachlor 2.1343E-11 kg  
Aldehydes, unspecified 5.7754E-09 kg  
Aldehydes, unspecified -1.1205E-06 kg  
Aldehydes, unspecified 1.242E-09 kg  
Aluminium 3.0686E-05 kg  
Aluminium 5.5017E-06 kg  
Aluminium 2.1051E-06 kg  
Aluminium 9.3632E-09 kg  
Ammonia 1.8323E-05 kg  
Ammonia -4.1539E-06 kg  
Ammonia 0.00020499 kg  
Ammonia -2.1599E-14 kg  
Ammonium carbonate 7.9733E-09 kg  
Aniline -1.2747E-10 kg  
Anthracene -1.5472E-16 kg

Anthranilic acid -1.0233E-11 kg  
Antimony 9.0069E-07 kg  
Antimony 1.3436E-09 kg  
Antimony 5.4839E-08 kg  
Antimony 1.1969E-10 kg  
Antimony-124 5.2021E-11 kBq  
Antimony-125 2.5599E-09 kBq  
Argon-40 0.00033061 kg  
Argon-41 2.7355E-07 kBq  
Arsenic 5.1136E-10 kg  
Arsenic 2.1683E-08 kg  
Arsenic 4.3195E-07 kg  
Arsenic 7.2086E-09 kg  
Arsine 1.3722E-14 kg  
Atrazine 1.6881E-11 kg  
Azoxystrobin 9.9803E-12 kg  
Barium 3.4918E-07 kg  
Barium 6.8841E-08 kg  
Barium 2.407E-08 kg  
Barium 7.602E-09 kg  
Barium-140 8.3549E-11 kBq  
Bentazone 9.2539E-12 kg  
Benz(a)anthracene 2.9209E-14 kg  
Benzal chloride -2.704E-11 kg  
Benzal chloride 9.9434E-14 kg  
Benzaldehyde 1.4432E-08 kg  
Benzaldehyde 6.2759E-11 kg  
Benzaldehyde -1.6139E-06 kg  
Benzene 5.7253E-05 kg  
Benzene 4.5761E-06 kg  
Benzene 2.2851E-05 kg  
Benzene, dichloro -3.7698E-11 kg  
Benzene, ethyl- 2.3529E-07 kg  
Benzene, ethyl- 1.8627E-07 kg  
Benzene, ethyl- 7.3164E-08 kg  
Benzene, hexachloro- -5.2829E-12 kg  
Benzene, hexachloro- -2.4718E-12 kg  
Benzene, hexachloro- 3.1804E-20 kg  
Benzene, pentachloro- -1.3392E-11 kg  
Benzo(a)pyrene 3.9009E-09 kg

Benzo(a)pyrene -3.0144E-10 kg  
Benzo(a)pyrene 1.6153E-07 kg  
Benzo(b)fluoranthene 3.4672E-14 kg  
Benzo(ghi)perylene 2.0779E-15 kg  
Benzo(k)fluoranthene 2.5076E-14 kg  
Beryllium 1.8624E-10 kg  
Beryllium 1.6189E-10 kg  
Beryllium 2.2377E-11 kg  
Beryllium 6.5405E-10 kg  
Beta-cyfluthrin 5.2589E-13 kg  
Boric acid -1.504E-17 kg  
Boron 1.9737E-06 kg  
Boron 2.157E-09 kg  
Boron 2.7085E-07 kg  
Boron 1.6672E-09 kg  
Boron trifluoride -9.9482E-14 kg  
Bromine 2.0763E-09 kg  
Bromine 4.8616E-07 kg  
Bromine 1.4598E-07 kg  
Bromine 4.7388E-11 kg  
Bromoxynil 2.2373E-13 kg  
Butadiene -3.2928E-12 kg  
Butadiene -9.9971E-13 kg  
Butane 9.4681E-07 kg  
Butane 6.0365E-06 kg  
Butane 1.6286E-09 kg  
Butanol 3.1202E-10 kg  
Butene 6.6562E-09 kg  
Cadmium 6.3895E-09 kg  
Cadmium -4.2947E-10 kg  
Cadmium 1.4807E-07 kg  
Cadmium 2.2197E-10 kg  
Cadmium 6.8486E-15 kg  
Calcium 8.6581E-08 kg  
Calcium 4.5913E-05 kg  
Calcium 3.8304E-08 kg  
Calcium 1.014E-06 kg  
Carbaryl 2.5194E-12 kg  
Carbon dioxide, fossil 0.23682 kg  
Carbon dioxide, fossil 0.034887 kg



Carbon dioxide, fossil 0.28711 kg  
Carbon dioxide, fossil 2.1325E-06 kg  
Carbon dioxide, fossil 0.00061655 kg  
Carbon dioxide, from soil or biomass stock -0.0020313 kg  
Carbon dioxide, from soil or biomass stock -0.0022278 kg  
Carbon dioxide, non-fossil 0.80646 kg  
Carbon dioxide, non-fossil 0.00033339 kg  
Carbon dioxide, non-fossil 5.4222E-05 kg  
Carbon disulfide -1.0249E-11 kg  
Carbon disulfide 1.0435E-05 kg  
Carbon disulfide 1.8442E-14 kg  
Carbon monoxide, fossil -7.0388E-05 kg  
Carbon monoxide, fossil 0.00023145 kg  
Carbon monoxide, fossil -0.0030048 kg  
Carbon monoxide, fossil 1.4119E-09 kg  
Carbon monoxide, fossil 6.4412E-05 kg  
Carbon monoxide, from soil or biomass stock -1.6654E-05 kg  
Carbon monoxide, non-fossil 0.0034059 kg  
Carbon monoxide, non-fossil 1.2277E-06 kg  
Carbon monoxide, non-fossil 3.9971E-07 kg  
Carbon-14 0.0017059 kBq  
Carbonyl sulfide 2.7049E-08 kg  
Carfentrazone-ethyl 2.7685E-13 kg  
Cerium-141 1.185E-11 kBq  
Cesium-134 5.6752E-13 kBq  
Cesium-137 8.0625E-10 kBq  
Chloramine -3.0092E-11 kg  
Chlorimuron-ethyl 5.0371E-12 kg  
Chlorinated solvents, unspecified 5.067E-12 kg  
Chlorine 1.4588E-06 kg  
Chlorine 4.2464E-08 kg  
Chlorine 1.5874E-08 kg  
Chlorine 4.5214E-10 kg  
Chloroacetic acid -1.5258E-10 kg  
Chloroform 1.1783E-09 kg  
Chloroform 1.1566E-12 kg  
Chloroform 1.1329E-10 kg  
Chlorosilane, trimethyl- 2.0053E-10 kg  
Chlorosulfonic acid -5.1301E-12 kg  
Chlorosulfonic acid 3.4723E-14 kg

Chlorpyrifos 1.0049E-10 kg  
Chromium -8.6159E-09 kg  
Chromium 1.084E-07 kg  
Chromium 3.4239E-14 kg  
Chromium 8.1191E-07 kg  
Chromium 3.724E-11 kg  
Chromium IV 2.5194E-15 kg  
Chromium VI 1.7996E-09 kg  
Chromium VI 8.252E-10 kg  
Chromium VI 2.0417E-08 kg  
Chromium VI 3.6292E-11 kg  
Chromium-51 7.5932E-13 kBq  
Chrysene 2.6963E-15 kg  
Clethodim 1.4902E-11 kg  
Cloransulam-methyl 2.6235E-12 kg  
Cobalt -2.6566E-09 kg  
Cobalt 3.616E-09 kg  
Cobalt 8.4532E-09 kg  
Cobalt 1.7133E-08 kg  
Cobalt-58 1.7947E-09 kBq  
Cobalt-60 8.2884E-09 kBq  
Copper 4.1483E-07 kg  
Copper 3.1316E-07 kg  
Copper 1.761E-07 kg  
Copper 1.2176E-06 kg  
Copper 1.1519E-12 kg  
Cumene 6.4272E-14 kg  
Cumene 7.5306E-16 kg  
Cumene 3.691E-05 kg  
Cyanide -4.079E-12 kg  
Cyanide -4.692E-07 kg  
Cyanide -8.8507E-10 kg  
Cyanoacetic acid -4.2012E-12 kg  
Cyclohexane -5.3242E-16 kg  
Cyclohexane (for all cycloalkanes) 9.0955E-11 kg  
Cyhalothrin, gamma- 6.0351E-12 kg  
Dibenz(a,h)anthracene 1.7214E-14 kg  
Dicamba 1.6889E-12 kg  
Diethyl ether -1.2554E-15 kg  
Diethylamine -5.7702E-11 kg

Diethylene glycol -1.0637E-15 kg  
Diflubenzuron 2.7685E-13 kg  
Dimethenamid -4.8032E-18 kg  
Dimethyl ether 3.8413E-11 kg  
Dimethyl malonate -5.2685E-12 kg  
Dimethylamine 4.7317E-13 kg  
Dinitrogen monoxide 3.7583E-06 kg  
Dinitrogen monoxide 1.8533E-05 kg  
Dinitrogen monoxide 8.8161E-09 kg  
Dinitrogen monoxide 1.814E-07 kg  
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin 2.8833E-13 kg  
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin 3.0363E-13 kg  
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin 1.9897E-14 kg  
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin 2.3299E-16 kg  
Dipropylamine -3.3763E-11 kg  
Elemental carbon 1.4453E-09 kg  
Esfenvalerate 3.1451E-12 kg  
Ethane 4.4196E-05 kg  
Ethane 6.5024E-10 kg  
Ethane 1.2448E-06 kg  
Ethane, 1,1,1,2-tetrafluoro-, HFC-134a 2.7681E-10 kg  
Ethane, 1,1,1,2-tetrafluoro-, HFC-134a 4.607E-12 kg  
Ethane, 1,1,1,2-tetrafluoro-, HFC-134a -1.3407E-08 kg  
Ethane, 1,1,1-trichloro-, HCFC-140 2.3619E-13 kg  
Ethane, 1,1,1-trichloro-, HCFC-140 1.5522E-14 kg  
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-, CFC-113 1.3323E-10 kg  
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-, CFC-113 5.3628E-11 kg  
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-, CFC-113 5.587E-11 kg  
Ethane, 1,1-difluoro-, HFC-152a 5.1709E-09 kg  
Ethane, 1,1-difluoro-, HFC-152a -1.4044E-08 kg  
Ethane, 1,2-dichloro- 8.3154E-10 kg  
Ethane, 1,2-dichloro- 3.5852E-09 kg  
Ethane, 1,2-dichloro- 4.7095E-13 kg  
Ethane, 2-chloro-1,1,1,2-tetrafluoro-, HCFC-124 1.3323E-10 kg  
Ethane, hexafluoro-, HFC-116 4.0075E-09 kg  
Ethane, hexafluoro-, HFC-116 2.0037E-09 kg  
Ethanol -1.7991E-11 kg  
Ethanol 3.3397E-08 kg  
Ethanol 2.5634E-08 kg  
Ethene 6.5991E-08 kg

Ethene 1.7268E-06 kg  
Ethene -2.8879E-07 kg  
Ethene, chloro- 3.9982E-09 kg  
Ethene, chloro- 4.1842E-09 kg  
Ethene, tetrachloro- 5.0673E-13 kg  
Ethene, tetrachloro- 2.5121E-10 kg  
Ethene, tetrachloro- 1.2295E-11 kg  
Ethene, trichloro- 3.7599E-11 kg  
Ethyl acetate 6.6994E-07 kg  
Ethyl cellulose 1.3203E-09 kg  
Ethylamine -1.3291E-11 kg  
Ethylene 1.3914E-09 kg  
Ethylene diamine -4.3765E-12 kg  
Ethylene oxide 2.878E-09 kg  
Ethylene oxide 1.9656E-14 kg  
Ethyne 3.2917E-08 kg  
Ethyne 2.5871E-07 kg  
Ethyne -6.1202E-09 kg  
Fenoxaprop 4.1167E-12 kg  
Fluazifop-p-butyl 5.9072E-12 kg  
Flufenacet 2.2149E-12 kg  
Flumetsulam 5.1821E-13 kg  
Flumiclorac-pentyl 8.8671E-13 kg  
Flumioxazin 8.9695E-12 kg  
Fluoranthene 2.7608E-13 kg  
Fluorene 2.2025E-13 kg  
Fluorine 3.7826E-07 kg  
Fluorine 7.7975E-08 kg  
Fluorine 5.0394E-08 kg  
Fluorine 5.6478E-10 kg  
Fluosilicic acid 1.2996E-08 kg  
Fomesafen 3.3349E-11 kg  
Formaldehyde 0.00012315 kg  
Formaldehyde 0.00014012 kg  
Formaldehyde -0.00012278 kg  
Formamide -8.4497E-12 kg  
Formic acid 8.1332E-10 kg  
Formic acid -1.7615E-07 kg  
Furan -7.6866E-07 kg  
Furan 1.208E-15 kg

Glyphosate 6.6679E-09 kg  
Heat, waste 0.00073935 MJ  
Heat, waste 0.014568 MJ  
Heat, waste -0.014653 MJ  
Heat, waste -2.4769E-09 MJ  
Helium 1.0442E-08 kg  
Helium 8.6543E-10 kg  
Heptane 3.1602E-09 kg  
Heptane -9.5622E-08 kg  
Hexane -6.4298E-06 kg  
Hexane 3.1858E-06 kg  
Hexane -8.4502E-13 kg  
Hydrocarbons, aliphatic, alkanes, cyclic -3.1474E-07 kg  
Hydrocarbons, aliphatic, alkanes, cyclic 6.828E-12 kg  
Hydrocarbons, aliphatic, alkanes, unspecified 5.9409E-06 kg  
Hydrocarbons, aliphatic, alkanes, unspecified 2.1482E-07 kg  
Hydrocarbons, aliphatic, alkanes, unspecified 9.8308E-07 kg  
Hydrocarbons, aliphatic, alkanes, unspecified -7.1366E-13 kg  
Hydrocarbons, aliphatic, unsaturated 2.4036E-05 kg  
Hydrocarbons, aliphatic, unsaturated 1.677E-09 kg  
Hydrocarbons, aliphatic, unsaturated 2.2463E-07 kg  
Hydrocarbons, aromatic 3.9396E-07 kg  
Hydrocarbons, aromatic 5.1493E-06 kg  
Hydrocarbons, aromatic 2.1197E-07 kg  
Hydrocarbons, chlorinated 1.4996E-08 kg  
Hydrocarbons, chlorinated 7.6648E-09 kg  
Hydrocarbons, chlorinated 2.3905E-12 kg  
Hydrocarbons, unspecified 1.6845E-08 kg  
Hydrochloric acid -1.4666E-12 kg  
Hydrogen 2.2851E-06 kg  
Hydrogen -1.0326E-06 kg  
Hydrogen chloride 4.0284E-06 kg  
Hydrogen chloride 2.302E-05 kg  
Hydrogen chloride 9.4265E-06 kg  
Hydrogen chloride 5.7453E-08 kg  
Hydrogen fluoride 7.5969E-07 kg  
Hydrogen fluoride 4.3545E-07 kg  
Hydrogen fluoride 1.987E-06 kg  
Hydrogen fluoride 1.1384E-10 kg  
Hydrogen peroxide 4.4321E-10 kg

Hydrogen sulfide 1.3087E-07 kg  
Hydrogen sulfide 1.8769E-09 kg  
Hydrogen sulfide 8.1284E-06 kg  
Hydrogen sulfide 2.72E-07 kg  
Hydrogen-3, Tritium 0.0023433 kBq  
Imazamox 1.3264E-12 kg  
Imazaquin 4.2288E-12 kg  
Imazethapyr 8.752E-12 kg  
Indeno(1,2,3-cd)pyrene 6.7389E-15 kg  
Iodine 6.9404E-10 kg  
Iodine 1.377E-08 kg  
Iodine 8.764E-08 kg  
Iodine 2.2035E-15 kg  
Iodine-129 8.8814E-07 kBq  
Iodine-131 4.3643E-07 kBq  
Iodine-133 1.9911E-07 kBq  
Iron 2.3484E-06 kg  
Iron 2.2935E-06 kg  
Iron 1.2468E-08 kg  
Iron 1.4115E-06 kg  
Isocyanic acid 0.00018585 kg  
Isoprene -2.5622E-09 kg  
Isoprene 1.6137E-14 kg  
Isopropylamine -4.8835E-12 kg  
Krypton-85 8.7851E-07 kBq  
Krypton-85m 0.0010802 kBq  
Krypton-87 1.6271E-07 kBq  
Krypton-88 2.1256E-07 kBq  
Krypton-89 8.8534E-08 kBq  
Lactic acid -2.6448E-11 kg  
Lactofen 4.2587E-12 kg  
Lanthanum-140 4.1776E-12 kBq  
Lead 7.4598E-08 kg  
Lead 2.4122E-07 kg  
Lead 1.1055E-06 kg  
Lead 1.2155E-08 kg  
Lead 1.3687E-11 kg  
Lead-210 2.8823E-07 kBq  
Lead-210 2.7316E-05 kBq  
Lead-210 1.4893E-05 kBq

Lithium 2.4687E-13 kg  
Magnesium 6.2061E-07 kg  
Magnesium 2.7813E-09 kg  
Magnesium 4.7505E-06 kg  
Magnesium 3.0573E-09 kg  
Manganese 3.5734E-08 kg  
Manganese 1.3315E-06 kg  
Manganese 1.884E-07 kg  
Manganese 2.9155E-08 kg  
Manganese-54 3.8885E-13 kBq  
MCPA 2.2915E-13 kg  
Mercury 3.9479E-09 kg  
Mercury 9.0581E-11 kg  
Mercury 7.6792E-09 kg  
Mercury 2.9752E-10 kg  
Mercury 4.7816E-17 kg  
Methane 5.1557E-10 kg  
Methane, bromo-, Halon 1001 1.5834E-11 kg  
Methane, bromochlorodifluoro-, Halon 1211 8.0531E-09 kg  
Methane, bromotrifluoro-, Halon 1301 9.4891E-16 kg  
Methane, bromotrifluoro-, Halon 1301 -1.922E-10 kg  
Methane, chlorodifluoro-, HCFC-22 2.5075E-10 kg  
Methane, chlorodifluoro-, HCFC-22 9.4158E-08 kg  
Methane, dichloro-, HCC-30 1.4758E-11 kg  
Methane, dichloro-, HCC-30 3.097E-10 kg  
Methane, dichloro-, HCC-30 3.4212E-12 kg  
Methane, dichlorodifluoro-, CFC-12 3.3578E-10 kg  
Methane, dichlorodifluoro-, CFC-12 1.5123E-14 kg  
Methane, dichlorodifluoro-, CFC-12 1.3461E-11 kg  
Methane, dichlorofluoro-, HCFC-21 4.5875E-13 kg  
Methane, fossil 0.00047029 kg  
Methane, fossil 0.0002802 kg  
Methane, fossil 0.0017108 kg  
Methane, fossil 9.7088E-09 kg  
Methane, from soil or biomass stock -1.0889E-06 kg  
Methane, monochloro-, R-40 6.2554E-12 kg  
Methane, non-fossil 8.1185E-06 kg  
Methane, non-fossil 7.1849E-06 kg  
Methane, non-fossil 6.5998E-08 kg  
Methane, tetrachloro-, R-10 -5.4709E-10 kg

Methane, tetrachloro-, R-10 6.6934E-11 kg  
Methane, tetrafluoro-, R-14 3.2799E-10 kg  
Methane, tetrafluoro-, R-14 3.506E-08 kg  
Methane, trichlorofluoro-, CFC-11 5.0612E-13 kg  
Methane, trifluoro-, HFC-23 1.4597E-10 kg  
Methanesulfonic acid -4.2455E-12 kg  
Methanol 3.6798E-08 kg  
Methanol 3.0993E-05 kg  
Methanol 1.5599E-06 kg  
Methyl acetate -3.0422E-12 kg  
Methyl acetate 8.4715E-12 kg  
Methyl acrylate 1.3357E-09 kg  
Methyl amine -1.8412E-11 kg  
Methyl borate -5.8977E-12 kg  
Methyl ethyl ketone 1.0999E-13 kg  
Methyl ethyl ketone 6.7007E-07 kg  
Methyl formate -2.409E-10 kg  
Methyl formate 6.5919E-14 kg  
Methyl lactate -2.9036E-11 kg  
Methyl parathion 3.4099E-12 kg  
Methylamine 1.9053E-12 kg  
Metolachlor 6.9781E-11 kg  
Metribuzin 2.7621E-11 kg  
Molybdenum 9.0609E-08 kg  
Molybdenum 2.9651E-09 kg  
Molybdenum 2.2292E-09 kg  
Molybdenum 2.2929E-09 kg  
Monochloroethane 9.4599E-11 kg  
Monoethanolamine 8.8165E-08 kg  
m-Xylene 1.0371E-08 kg  
m-Xylene 9.3119E-07 kg  
m-Xylene 6.406E-13 kg  
Naphtalene 2.9636E-11 kg  
Naphthalene -1.6551E-13 kg  
Nickel -5.9231E-08 kg  
Nickel 1.947E-07 kg  
Nickel 8.704E-07 kg  
Nickel 2.0414E-07 kg  
Nickel 4.7816E-14 kg  
Niobium-95 -3.4069E-07 kBq



Nitrate 3.969E-08 kg  
Nitrate 1.9844E-11 kg  
Nitrate 9.6215E-09 kg  
Nitrate 6.343E-08 kg  
Nitric oxide -4.2988E-11 kg  
Nitrobenzene 4.9121E-10 kg  
Nitrogen 0.019144 kg  
Nitrogen fluoride -2.9433E-16 kg  
Nitrogen oxides -0.00021139 kg  
Nitrogen oxides 0.0013409 kg  
Nitrogen oxides 3.3014E-06 kg  
Nitrogen oxides 0.0002194 kg  
Nitrogen oxides 4.4042E-08 kg  
NMVOC, non-methane volatile organic compounds, unspecified origin 6.4667E-05 kg  
NMVOC, non-methane volatile organic compounds, unspecified origin -0.00078107 kg  
NMVOC, non-methane volatile organic compounds, unspecified origin 5.8749E-05 kg  
NMVOC, non-methane volatile organic compounds, unspecified origin 1.1847E-10 kg  
NMVOC, non-methane volatile organic compounds, unspecified origin 4.6948E-07 kg  
Noble gases, radioactive, unspecified 8.5504 kBq  
o-Nitrotoluene -1.1345E-11 kg  
Organic carbon 3.5948E-09 kg  
Oxygen -8.0344E-12 kg  
o-Xylene 4.2149E-09 kg  
o-Xylene 1.6102E-10 kg  
Ozone 5.898E-13 kg  
Ozone 3.3917E-06 kg  
PAH, polycyclic aromatic hydrocarbons 1.3824E-07 kg  
PAH, polycyclic aromatic hydrocarbons -9.1775E-08 kg  
PAH, polycyclic aromatic hydrocarbons -4.8827E-08 kg  
Palladium -1.3121E-11 kg  
Paraffins -2.4739E-13 kg  
Paraquat 1.7768E-11 kg  
Particulates, < 2.5 um 0.0006367 kg  
Particulates, < 2.5 um 0.00034122 kg  
Particulates, < 2.5 um 1.3323E-05 kg  
Particulates, < 2.5 um 1.951E-06 kg  
Particulates, < 2.5 um 1.0822E-10 kg  
Particulates, > 10 um 1.8923E-05 kg  
Particulates, > 10 um 6.4291E-05 kg  
Particulates, > 10 um 0.0004031 kg

Particulates, > 10 um 4.731E-06 kg  
Particulates, > 2.5 um, and < 10um 0.00011356 kg  
Particulates, > 2.5 um, and < 10um 0.00010825 kg  
Particulates, > 2.5 um, and < 10um 1.9608E-05 kg  
Particulates, > 2.5 um, and < 10um 2.9301E-06 kg  
Pendimethalin 1.872E-10 kg  
Pentane 2.1437E-06 kg  
Pentane 9.8649E-10 kg  
Pentane -0.00011504 kg  
Permethrin 2.7817E-12 kg  
Phenanthrene 3.8524E-12 kg  
Phenol 5.3231E-05 kg  
Phenol 1.2366E-09 kg  
Phenol 3.271E-08 kg  
Phenol, 2,4-dichloro -2.5034E-11 kg  
Phenol, 2,4-dichloro 1.697E-13 kg  
Phenol, pentachloro- 6.1305E-11 kg  
Phenol, pentachloro- 6.5318E-11 kg  
Phenol, pentachloro- 7.1505E-08 kg  
Phosgene 1.3341E-10 kg  
Phosphine 3.3035E-13 kg  
Phosphoric acid -5.3242E-16 kg  
Phosphorus 2.283E-06 kg  
Phosphorus 2.2111E-09 kg  
Phosphorus 1.5098E-09 kg  
Phosphorus 1.1398E-10 kg  
Phosphorus trichloride 3.2636E-12 kg  
Platinum -1.3562E-11 kg  
Platinum -5.547E-17 kg  
Platinum 4.2814E-15 kg  
Platinum 6.7064E-12 kg  
Plutonium-238 1.2116E-13 kBq  
Plutonium-alpha 2.7774E-13 kBq  
Polonium-210 5.2665E-07 kBq  
Polonium-210 4.9955E-05 kBq  
Polonium-210 2.9419E-05 kBq  
Polychlorinated biphenyls 1.2771E-11 kg  
Polychlorinated biphenyls 3.2005E-12 kg  
Polychlorinated biphenyls 2.6312E-11 kg  
Potassium 1.821E-08 kg

Potassium 0.00018208 kg  
Potassium 2.2014E-07 kg  
Potassium 9.6401E-09 kg  
Potassium-40 7.0891E-08 kBq  
Potassium-40 7.7895E-06 kBq  
Potassium-40 4.1816E-06 kBq  
Propanal -4.3411E-07 kg  
Propanal 3.9614E-11 kg  
Propanal -6.2828E-12 kg  
Propane 9.6097E-07 kg  
Propane 1.2357E-05 kg  
Propane 1.1406E-09 kg  
Propanol 2.6504E-17 kg  
Propanol 1.649E-10 kg  
Propene 1.3933E-09 kg  
Propene 2.1807E-05 kg  
Propene -7.0897E-08 kg  
Propiconazole 3.2815E-12 kg  
Propionic acid 2.4853E-08 kg  
Propionic acid 6.2005E-08 kg  
Propionic acid 9.6087E-14 kg  
Propylamine -2.9592E-12 kg  
Propylene oxide 4.5702E-09 kg  
Protactinium-234 5.8691E-07 kBq  
Pyraclostrobin 7.6945E-12 kg  
Pyrene 2.0489E-13 kg  
Quizalofop-ethyl 1.0326E-12 kg  
Radioactive species, other beta emitters 9.4934E-09 kBq  
Radioactive species, other beta emitters 3.2009E-05 kBq  
Radioactive species, other beta emitters 2.2429E-14 kBq  
Radium-226 7.4388E-08 kBq  
Radium-226 7.054E-06 kBq  
Radium-226 1.2585E-05 kBq  
Radium-226 -4.2932E-09 kBq  
Radium-228 2.204E-08 kBq  
Radium-228 3.3873E-05 kBq  
Radium-228 1.8563E-06 kBq  
Radon-220 1.547E-06 kBq  
Radon-220 1.8042E-05 kBq  
Radon-220 0.00017799 kBq

Radon-222 48.969 kBq  
Radon-222 1.3669 kBq  
Radon-222 8.6886E-07 kBq  
Radon-222 1.0385E-05 kBq  
Rhodium -1.3562E-11 kg  
Ruthenium-103 1.0142E-14 kBq  
Scandium 1.0438E-11 kg  
Scandium 4.5806E-09 kg  
Scandium 1.6776E-16 kg  
Scandium 6.5177E-10 kg  
Selenium -4.7422E-10 kg  
Selenium 5.5826E-09 kg  
Selenium 5.8368E-08 kg  
Selenium 6.4036E-10 kg  
Selenium 6.8486E-15 kg  
Sethoxydim 2.2225E-12 kg  
Silicon 6.4166E-07 kg  
Silicon 8.1826E-06 kg  
Silicon 5.8572E-08 kg  
Silicon 2.8776E-07 kg  
Silicon tetrafluoride -3.7249E-10 kg  
Silver 1.6833E-12 kg  
Silver 1.0237E-09 kg  
Silver 2.6221E-10 kg  
Silver 3.8136E-12 kg  
Silver-110 3.4242E-10 kBq  
Sodium 8.1374E-08 kg  
Sodium 1.0436E-05 kg  
Sodium 9.3646E-08 kg  
Sodium 7.6694E-09 kg  
Sodium chlorate 3.3386E-10 kg  
Sodium dichromate 1.5427E-11 kg  
Sodium formate 4.0611E-12 kg  
Sodium hydroxide 1.3251E-09 kg  
Sodium hydroxide -1.2664E-14 kg  
Sodium tetrahydridoborate -1.9541E-13 kg  
Strontium 5.1856E-09 kg  
Strontium 1.0128E-07 kg  
Strontium 4.7046E-09 kg  
Strontium 2.0963E-08 kg

Styrene 5.5285E-09 kg  
Styrene 6.7776E-08 kg  
Styrene 1.2496E-07 kg  
Sulfate -1.5473E-05 kg  
Sulfate 3.4298E-07 kg  
Sulfate 2.8714E-08 kg  
Sulfate 1.1839E-06 kg  
Sulfentrazone 2.1253E-11 kg  
Sulfur dioxide 0.00036397 kg  
Sulfur dioxide 0.0010272 kg  
Sulfur dioxide 6.412E-05 kg  
Sulfur dioxide 5.7506E-10 kg  
Sulfur dioxide 3.1242E-06 kg  
Sulfur hexafluoride 1.243E-07 kg  
Sulfur hexafluoride -1.1771E-15 kg  
Sulfur oxides 1.2156E-06 kg  
Sulfur trioxide -1.127E-08 kg  
Sulfur trioxide -8.4084E-07 kg  
Sulfuric acid 4.9634E-10 kg  
Sulfuric acid 3.8496E-10 kg  
Sulfuric acid 4.0686E-09 kg  
Sulfuric acid -2.3179E-14 kg  
t-Butyl methyl ether -1.3473E-07 kg  
t-Butylamine -7.0924E-12 kg  
Tefluthrin -1.2306E-18 kg  
Tellurium -2.0244E-11 kg  
Terpenes -2.4021E-08 kg  
Tetramethyl ammonium hydroxide -7.0589E-12 kg  
Thallium -3.1532E-10 kg  
Thallium 8.1619E-10 kg  
Thallium 3.1956E-11 kg  
Thallium 3.3958E-13 kg  
Thifensulfuron 3.0291E-13 kg  
Thiodicarb 1.0795E-12 kg  
Thorium 9.1394E-16 kg  
Thorium 9.8286E-10 kg  
Thorium 7.5031E-13 kg  
Thorium -1.6053E-13 kg  
Thorium-228 1.187E-08 kBq  
Thorium-228 2.9799E-06 kBq

Thorium-228 9.9968E-07 kBq  
Thorium-230 -5.557E-06 kBq  
Thorium-232 1.865E-08 kBq  
Thorium-232 2.0224E-06 kBq  
Thorium-232 1.4863E-06 kBq  
Thorium-232 -2.1723E-08 kBq  
Thorium-234 5.8762E-07 kBq  
Tin 6.3618E-08 kg  
Tin 1.4341E-09 kg  
Tin 5.2227E-10 kg  
Tin 6.0263E-08 kg  
Titanium 3.8841E-08 kg  
Titanium 1.9657E-07 kg  
Titanium 4.5384E-09 kg  
Titanium 8.4149E-08 kg  
Toluene 2.6391E-06 kg  
Toluene 7.1032E-06 kg  
Toluene -0.00011599 kg  
Toluene, 2-chloro 5.9331E-10 kg  
Trichloroethylene 5.0588E-10 kg  
Trifloxystrobin 1.9381E-13 kg  
Trifluralin 3.0611E-10 kg  
Trimethylamine -6.3949E-12 kg  
Tungsten 1.1329E-12 kg  
Tungsten 5.175E-10 kg  
Uranium 1.5401E-15 kg  
Uranium 1.3088E-09 kg  
Uranium 4.0644E-13 kg  
Uranium -1.6049E-15 kg  
Uranium alpha 2.5515E-05 kBq  
Uranium-234 -2.3565E-06 kBq  
Uranium-235 2.24E-07 kBq  
Uranium-238 6.199E-08 kBq  
Uranium-238 5.8766E-06 kBq  
Uranium-238 1.1057E-06 kBq  
Uranium-238 -5.7529E-11 kBq  
Vanadium -1.3039E-07 kg  
Vanadium 7.3592E-08 kg  
Vanadium 8.5848E-09 kg  
Vanadium 1.3474E-08 kg

VOC, volatile organic compounds, unspecified origin 9.2423E-11 kg

Water 0.019897 m3

Water -4.9414E-05 m3

Water 0.00029861 m3

Water 5.2385E-12 m3

Water 3.2259E-07 m3

Xenon-131m 8.5836E-07 kBq

Xenon-133 0.066088 kBq

Xenon-133m 3.5802E-08 kBq

Xenon-135 0.018167 kBq

Xenon-135m 7.7661E-06 kBq

Xenon-137 2.4207E-07 kBq

Xenon-138 1.8123E-06 kBq

Xylene 4.0075E-06 kg

Xylene -1.8421E-07 kg

Xylene 9.4954E-07 kg

Zeta-cypermethrin 1.2761E-12 kg

Zinc 2.6296E-07 kg

Zinc 2.4485E-06 kg

Zinc 4.944E-07 kg

Zinc 1.1657E-08 kg

Zinc 6.8486E-12 kg

Zinc-65 1.9416E-12 kBq

Zirconium 9.338E-12 kg

Zirconium-95 6.3233E-09 kBq

soil

2,4-D -3.7518E-08 kg

2,4-DB 1.9145E-11 kg

Abamectin -5.5859E-18 kg

Acephate 2.3935E-09 kg

Acetamide 9.2983E-14 kg

Acetamiprid -3.1666E-17 kg

Acetochlor 5.4167E-09 kg

Acifluorfen 1.2928E-13 kg

Aclonifen 1.8409E-14 kg

Alachlor 1.8259E-12 kg

Aldicarb 2.0612E-11 kg

Alpha-cypermethrin 1.6627E-10 kg

Aluminium 7.3576E-06 kg

Aluminium 7.1414E-07 kg

Aluminium 3.9108E-05 kg  
Amidosulfuron 2.4003E-15 kg  
Ammonia 1.1302E-10 kg  
Anthraquinone 8.2445E-10 kg  
Antimony 4.0612E-10 kg  
Antimony 8.9683E-10 kg  
Antimony 6.1837E-13 kg  
Arsenic 1.2135E-09 kg  
Arsenic 2.5308E-10 kg  
Arsenic 1.2781E-08 kg  
Asulam 3.2913E-16 kg  
Atrazine 5.8443E-09 kg  
Azadirachtin -5.0097E-16 kg  
Azinphos-methyl 1.9702E-12 kg  
Azoxystrobin 1.9306E-09 kg  
Barium 3.9913E-08 kg  
Barium 2.0542E-07 kg  
Barium -9.8408E-12 kg  
Benomyl -3.3201E-10 kg  
Bentazone 5.8851E-12 kg  
Beryllium 4.3735E-10 kg  
Beryllium 8.9174E-12 kg  
Beta-cyfluthrin 2.595E-11 kg  
Bifenox 2.1116E-10 kg  
Bifenthrin 1.5354E-11 kg  
Bitertanol 8.9037E-11 kg  
Boron 4.4289E-09 kg  
Boron 3.601E-08 kg  
Boron -4.9876E-12 kg  
Bromine 1.0345E-09 kg  
Bromine 1.1212E-09 kg  
Bromoxynil 1.2123E-09 kg  
Cadmium 2.7354E-08 kg  
Cadmium 2.7779E-10 kg  
Cadmium 1.2944E-09 kg  
Cadmium 2.3904E-12 kg  
Calcium 1.3871E-06 kg  
Calcium 2.3603E-06 kg  
Calcium 0.00053402 kg  
Carbaryl 4.1137E-13 kg



Carbendazim 1.0845E-09 kg  
Carbetamide 1.2448E-12 kg  
Carbofuran -1.8202E-07 kg  
Carbon 1.8614E-05 kg  
Carbon 7.4911E-07 kg  
Carbon 2.2453E-05 kg  
Carbon dioxide, to soil or biomass stock 6.8984E-08 kg  
Carbon dioxide, to soil or biomass stock -6.0795E-05 kg  
Carfentrazone-ethyl 8.2563E-12 kg  
Chloride 2.378E-06 kg  
Chloride 2.2954E-07 kg  
Chloride 6.0176E-06 kg  
Chlorimuron-ethyl 7.1828E-11 kg  
Chlorine 2.6922E-08 kg  
Chlormequat 2.26E-11 kg  
Chlorothalonil 5.4877E-10 kg  
Chlorpyrifos 1.2907E-10 kg  
Chlorpyrifos methyl 4.5565E-09 kg  
Chlortoluron 1.2721E-09 kg  
Chromium 3.6664E-07 kg  
Chromium 6.1333E-09 kg  
Chromium 9.3236E-09 kg  
Chromium 2.7338E-11 kg  
Chromium VI 1.4025E-07 kg  
Cinidon-ethyl 2.9095E-15 kg  
Clethodim 3.4733E-11 kg  
Clomazone 2.8461E-14 kg  
Clopyralid 1.8846E-11 kg  
Cloransulam-methyl 1.0344E-11 kg  
Cobalt 2.3422E-09 kg  
Cobalt 5.2168E-10 kg  
Cobalt 3.3858E-08 kg  
Copper 3.4619E-07 kg  
Copper 1.0133E-07 kg  
Copper 1.8552E-08 kg  
Copper -3.7515E-11 kg  
Cyhalothrin, gamma- 2.5872E-13 kg  
Cymoxanil 9.0932E-13 kg  
Cypermethrin -3.0067E-08 kg  
Cyproconazole 2.7651E-10 kg

Cyprodinil 2.5113E-09 kg  
Deltamethrin 1.3252E-11 kg  
Desmedipham -2.4991E-14 kg  
Diafenthiuron -2.3655E-19 kg  
Diazinon 7.4694E-12 kg  
Dicamba -8.6924E-15 kg  
Dichlorprop-P 5.0427E-10 kg  
Diclofop 1.313E-09 kg  
Diclofop-methyl 1.3221E-09 kg  
Difenoconazole 2.1097E-10 kg  
Diflubenzuron 5.2465E-09 kg  
Diflufenican 1.0199E-09 kg  
Diflufenzopyr-sodium -8.9431E-15 kg  
Dimethachlor 6.9508E-14 kg  
Dimethenamid -2.3332E-13 kg  
Dimethoate 5.4136E-12 kg  
Dimethomorph 1.9486E-13 kg  
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin 2.4407E-14 kg  
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin 3.9665E-16 kg  
Diquat 3.5417E-11 kg  
Dithianon 2.4003E-14 kg  
Diuron 2.529E-10 kg  
Elemental carbon 4.9459E-09 kg  
Endosulfan 1.8266E-09 kg  
Endothall 6.296E-14 kg  
Epoiconazole 2.7356E-10 kg  
EPTC 8.0739E-11 kg  
Esfenvalerate 1.2394E-12 kg  
Ethalfluralin 2.3173E-14 kg  
Ethephon 2.2705E-09 kg  
Ethofumesate -2.7139E-12 kg  
Ethoprop 1.8706E-11 kg  
Fenbuconazole 6.2734E-15 kg  
Fenoxaprop 2.06E-11 kg  
Fenoxaprop ethyl ester 1.0941E-10 kg  
Fenoxaprop-P ethyl ester 6.1237E-11 kg  
Fenpiclonil 1.2747E-11 kg  
Fenpropidin 2.6898E-09 kg  
Fenpropimorph 4.223E-10 kg  
Fentin hydroxide 3.2369E-12 kg

Fipronil 2.342E-10 kg  
Florasulam 2.2414E-11 kg  
Fluazifop-P-butyl 7.0916E-12 kg  
Fludioxonil 5.1841E-11 kg  
Flufenacet 8.9667E-10 kg  
Flumetsulam 6.5617E-15 kg  
Flumiclorac-pentyl 3.7994E-14 kg  
Flumioxazin 1.3979E-11 kg  
Fluoride 2.3836E-08 kg  
Fluoride 9.5238E-08 kg  
Fluquinconazole 5.4552E-15 kg  
Fluroxypyr 3.7696E-11 kg  
Flurtamone 9.3403E-10 kg  
Flusilazole 1.0204E-10 kg  
Flutolanil 3.6807E-12 kg  
Fomesafen 7.9673E-11 kg  
Foramsulfuron -1.6769E-15 kg  
Fungicides, unspecified 9.0005E-15 kg  
Glufosinate -3.5548E-13 kg  
Glyphosate -3.7829E-07 kg  
Glyphosate 9.0441E-09 kg  
Haloxypop- (R) Methylester 1.0908E-10 kg  
Heat, waste 0.00031458 MJ  
Herbicides, unspecified 1.4571E-11 kg  
Hydrocarbons, unspecified 7.1058E-08 kg  
Imazamox 7.1918E-11 kg  
Imazapyr -2.2358E-16 kg  
Imazaquin 1.8122E-13 kg  
Imazethapyr 2.5934E-11 kg  
Imidacloprid 6.1741E-10 kg  
Indoxacarb -2.0067E-18 kg  
Insecticides, unspecified -2.6011E-19 kg  
Iodide 1.3536E-13 kg  
Iodosulfuron 3.6368E-16 kg  
Ioxynil 3.1813E-10 kg  
Iprodion 6.6239E-12 kg  
Iron 9.1051E-06 kg  
Iron 1.2478E-06 kg  
Iron 4.2865E-05 kg  
Isoproturon 5.5334E-09 kg

Isoxaflutole 6.9223E-13 kg  
Kresoxim-methyl 8.109E-12 kg  
Lactofen 1.825E-13 kg  
Lambda-cyhalothrin 3.8996E-10 kg  
Lead 1.2255E-07 kg  
Lead 1.2287E-08 kg  
Lead 2.0935E-08 kg  
Lead 2.0776E-12 kg  
Lenacil -1.3574E-14 kg  
Linuron 4.3556E-12 kg  
Lithium 6.7466E-11 kg  
Magnesium 4.2784E-07 kg  
Magnesium 3.4663E-07 kg  
Magnesium 6.036E-05 kg  
Malathion -6.1422E-09 kg  
Maleic hydrazide 2.0461E-11 kg  
Mancozeb 7.968E-10 kg  
Mandipropamid 4.4182E-14 kg  
Maneb 4.7632E-13 kg  
Manganese 2.1067E-08 kg  
Manganese 2.955E-08 kg  
Manganese 3.761E-05 kg  
MCPA 2.8677E-09 kg  
MCPB 2.5416E-14 kg  
Mecoprop-P 5.6736E-14 kg  
Mefenpyr 2.1883E-10 kg  
Mefenpyr-diethyl 1.2249E-10 kg  
Mepiquat chloride 8.6394E-10 kg  
Mercury 1.9028E-10 kg  
Mercury 4.7766E-11 kg  
Mercury 1.5823E-11 kg  
Mesotrione 3.4203E-10 kg  
Metalaxil -7.2704E-10 kg  
Metaldehyde 2.8274E-09 kg  
Metamitron -7.0448E-13 kg  
Metam-sodium 1.3842E-09 kg  
Metazachlor 1.6401E-13 kg  
Metconazole 1.6528E-14 kg  
Methyl parathion 1.4616E-13 kg  
Metiram 1.39E-11 kg

Metolachlor 1.2344E-08 kg  
Metribuzin 2.8079E-10 kg  
Metsulfuron-methyl -1.5225E-09 kg  
Mineral oil 6.4184E-09 kg  
Molybdenum 6.435E-10 kg  
Molybdenum 1.2625E-10 kg  
Molybdenum 6.9933E-09 kg  
Monocrotophos 6.3802E-10 kg  
Myclobutanil -6.3097E-19 kg  
Napropamide 8.9665E-13 kg  
Nickel 1.0619E-07 kg  
Nickel 4.5316E-09 kg  
Nickel 2.771E-09 kg  
Nickel 1.6348E-11 kg  
Nicosulfuron -2.2685E-12 kg  
Nitrate 7.7747E-08 kg  
Nitric acid 9.1418E-12 kg  
Nitrogen 1.2069E-07 kg  
Nitrogen 2.3377E-08 kg  
Novaluron -8.4897E-19 kg  
Oils, non-fossil -0.00019919 kg  
Oils, non-fossil 9.0394E-14 kg  
Oils, non-fossil 9.7289E-08 kg  
Oils, unspecified -9.8322E-08 kg  
Oils, unspecified 3.3362E-06 kg  
Oils, unspecified -9.7601E-05 kg  
Orbencarb 7.3692E-11 kg  
Organic carbon 1.1697E-08 kg  
Oxamyl 1.5676E-11 kg  
Oxydemeton-methyl 2.5443E-14 kg  
Oxyfluorfen -3.9361E-18 kg  
PAH, polycyclic aromatic hydrocarbons 2.024E-10 kg  
Paraquat -6.7915E-11 kg  
Parathion 1.9119E-14 kg  
Pendimethalin 6.2254E-10 kg  
Permethrin 7.6371E-13 kg  
Pesticides, unspecified 3.0361E-11 kg  
Phenmedipham -8.4242E-14 kg  
Phenol, pentachloro- 2.1772E-12 kg  
Phorate 3.3819E-11 kg

Phosmet 3.724E-12 kg  
Phosphorus 4.5224E-08 kg  
Phosphorus 5.844E-08 kg  
Phosphorus 1.8429E-05 kg  
Picoxystrobin 5.6073E-10 kg  
Piperonyl butoxide 1.1096E-13 kg  
Pirimicarb -9.4505E-12 kg  
Potassium 5.6226E-07 kg  
Potassium 1.9675E-07 kg  
Potassium 0.00010249 kg  
Primisulfuron -5.5897E-15 kg  
Prochloraz 5.8916E-14 kg  
Procymidone 1.1103E-14 kg  
Profenofos -5.4206E-16 kg  
Propamocarb HCl 1.6238E-13 kg  
Propargite 1.0847E-11 kg  
Propiconazole 1.0108E-09 kg  
Prosulfuron -9.9049E-16 kg  
Prothioconazol 3.1938E-10 kg  
Pymetrozine 1.0393E-12 kg  
Pyraclostrobin (prop) 3.5455E-10 kg  
Pyraflufen-ethyl -4.8803E-16 kg  
Quintozene 2.0309E-11 kg  
Quizalofop ethyl ester 4.565E-14 kg  
Quizalofop-P 1.5972E-15 kg  
Rimsulfuron 4.924E-13 kg  
Scandium 1.2309E-09 kg  
Selenium 2.068E-09 kg  
Selenium 3.0104E-11 kg  
Sethoxydim 5.3546E-13 kg  
Silicon 1.1622E-05 kg  
Silicon 2.3411E-06 kg  
Silicon 0.00015536 kg  
Silver 1.8265E-10 kg  
Silver 1.6597E-11 kg  
Simazine -1.1291E-13 kg  
Sodium 3.4172E-07 kg  
Sodium 1.3242E-06 kg  
Spinosad 2.1651E-14 kg  
Spiroxamine 1.9217E-13 kg

Strontium 4.5699E-08 kg  
Strontium 5.346E-09 kg  
Strontium -7.9648E-11 kg  
Sulfate 1.2979E-07 kg  
Sulfentrazone 1.2658E-10 kg  
Sulfosate 5.0558E-10 kg  
Sulfur 1.7288E-05 kg  
Sulfur 2.4714E-06 kg  
Sulfur 2.3773E-06 kg  
Sulfuric acid 1.1742E-08 kg  
TCMTB 3.1533E-10 kg  
Tebuconazole 1.4918E-10 kg  
Tebupirimphos -4.6955E-14 kg  
Tebutam 3.4635E-12 kg  
Teflubenzuron 1.2865E-10 kg  
Tefluthrin -3.6895E-14 kg  
Terbufos -1.2496E-13 kg  
Terbutylazin 4.9771E-09 kg  
Thallium 7.5725E-11 kg  
Thallium 8.9288E-12 kg  
Thiamethoxam 1.5269E-09 kg  
Thifensulfuron-methyl 1.3533E-14 kg  
Thiodicarb 4.5981E-11 kg  
Thiophanate-methyl 2.1065E-10 kg  
Thiram -4.1445E-09 kg  
Tin 8.6582E-10 kg  
Tin 3.1767E-09 kg  
Tin -1.3791E-11 kg  
Titanium 4.3198E-07 kg  
Titanium 1.4331E-08 kg  
Titanium 2.5951E-06 kg  
Tralkoxydim 2.0917E-09 kg  
Triadimenol 1.3184E-14 kg  
Tribenuron 1.3711E-15 kg  
Tribenuron-methyl 4.8277E-11 kg  
Trichlorfon 1.5832E-14 kg  
Triclopyr 1.0389E-11 kg  
Trifloxystrobin 3.7608E-10 kg  
Trifluralin 7.2515E-10 kg  
Trinexapac-ethyl 1.6894E-09 kg

Vanadium 9.4839E-09 kg  
Vanadium -8.6505E-10 kg  
Vanadium 7.428E-08 kg  
Vinclozolin 3.7011E-15 kg  
Zeta-cypermethrin 5.4679E-14 kg  
Zinc 3.1538E-06 kg  
Zinc 3.8512E-07 kg  
Zinc 4.5631E-08 kg  
Zinc -1.2503E-10 kg  
water  
1,4-Butanediol -2.4472E-11 kg  
1-Pentanol -1.1088E-11 kg  
1-Pentene -8.3793E-12 kg  
2,4-DB 5.9483E-13 kg  
2,4-DB 2.4388E-15 kg  
2-Aminopropanol -1.3117E-11 kg  
2-Methyl-1-propanol -4.8398E-11 kg  
2-Methyl-2-butene -1.8214E-15 kg  
2-Propanol -2.6887E-11 kg  
2-Propanol -2.0895E-06 kg  
4-Methyl-2-pentanol 5.0725E-14 kg  
4-Methyl-2-pentanone 9.835E-12 kg  
4-Methyl-2-pentanone 5.6722E-10 kg  
Acenaphthene -3.9889E-13 kg  
Acenaphthene 2.9485E-11 kg  
Acenaphthylene -2.4947E-14 kg  
Acenaphthylene -4.2997E-13 kg  
Acetaldehyde 3.7052E-09 kg  
Acetic acid 1.5846E-08 kg  
Acetone 3.9135E-08 kg  
Acetone 1.3519E-09 kg  
Acetonitrile -3.5179E-12 kg  
Acetyl chloride -8.7107E-12 kg  
Acidity, unspecified 5.2769E-08 kg  
Acidity, unspecified 2.8446E-08 kg  
Acrylate, ion 2.7859E-09 kg  
Actinides, radioactive, unspecified 1.4426E-06 kBq  
Allyl chloride -2.1282E-09 kg  
Aluminium 0.001704 kg  
Aluminium 8.2991E-07 kg



Aluminium 1.1903E-06 kg  
Aluminium 2.4937E-06 kg  
Aluminium 6.6064E-07 kg  
Aluminium hydroxide -1.0459E-11 kg  
Ammonium sulfate 3.5042E-13 kg  
Ammonium, ion -1.3166E-07 kg  
Ammonium, ion 9.9132E-07 kg  
Ammonium, ion 2.0114E-07 kg  
Ammonium, ion 3.3089E-05 kg  
Ammonium, ion 7.8174E-10 kg  
Aniline -3.06E-10 kg  
Aniline 6.28E-10 kg  
Anthracene 8.0965E-12 kg  
Antimony 4.9381E-07 kg  
Antimony 1.4888E-07 kg  
Antimony 3.3978E-08 kg  
Antimony 1.5223E-09 kg  
Antimony-122 9.8896E-08 kBq  
Antimony-124 4.2135E-06 kBq  
Antimony-125 4.5623E-06 kBq  
AOX, Adsorbable Organic Halogen as Cl 5.7554E-08 kg  
AOX, Adsorbable Organic Halogen as Cl 6.4194E-08 kg  
AOX, Adsorbable Organic Halogen as Cl 3.2997E-11 kg  
Arsenic, ion 5.842E-07 kg  
Arsenic, ion 1.2473E-06 kg  
Arsenic, ion 4.0053E-10 kg  
Arsenic, ion 2.2729E-07 kg  
Arsenic, ion 3.0546E-08 kg  
Atrazine -6.4046E-19 kg  
Atrazine -1.656E-16 kg  
Barite 1.9026E-05 kg  
Barite 2.3836E-05 kg  
Barium -1.1918E-06 kg  
Barium 2.9513E-05 kg  
Barium 1.6837E-08 kg  
Barium -5.579E-08 kg  
Barium 1.9484E-05 kg  
Barium-140 1.2717E-10 kBq  
Bentazone 2.0025E-13 kg  
Bentazone 1.241E-16 kg

Benz(a)anthracene 3.0553E-14 kg  
Benzal chloride -6.4895E-11 kg  
Benzene -8.5736E-09 kg  
Benzene 0.00011718 kg  
Benzene 2.2688E-07 kg  
Benzene, chloro- 9.5642E-08 kg  
Benzene, ethyl- -1.5391E-09 kg  
Benzene, ethyl- -3.3003E-08 kg  
Benzene, ethyl- 1.2752E-08 kg  
Benzene, hexachloro- 4.8821E-15 kg  
Benzene, pentachloro- 8.0111E-15 kg  
Benzo(a)pyrene 3.7122E-15 kg  
Benzo(b)fluoranthene 3.6205E-15 kg  
Benzo(ghi)perylene 5.0947E-16 kg  
Benzo(k)fluoranthene 1.7033E-15 kg  
Benzyl alcohol 5.7906E-13 kg  
Beryllium 8.0083E-11 kg  
Beryllium 5.663E-07 kg  
Beryllium 1.1907E-09 kg  
Beryllium 1.356E-09 kg  
BOD5, Biological Oxygen Demand 0.00027997 kg  
BOD5, Biological Oxygen Demand 0.00027329 kg  
BOD5, Biological Oxygen Demand 9.5184E-08 kg  
BOD5, Biological Oxygen Demand -1.5579E-05 kg  
BOD5, Biological Oxygen Demand 0.00051432 kg  
Borate -1.5802E-09 kg  
Borate 4.3776E-09 kg  
Boron 1.0032E-05 kg  
Boron 1.4751E-07 kg  
Boron 5.5073E-08 kg  
Boron 4.2116E-07 kg  
Boron 2.0001E-08 kg  
Bromate -8.0478E-08 kg  
Bromide -1.6093E-07 kg  
Bromine 1.0781E-07 kg  
Bromine -1.3346E-09 kg  
Bromine 5.6805E-08 kg  
Bromine -4.4891E-08 kg  
Bromine 2.9001E-05 kg  
Bromoxynil 9.7641E-18 kg

Bromoxynil 6.3043E-14 kg  
Butanol 3.0239E-09 kg  
Butene 1.21E-08 kg  
Butyl acetate 2.9571E-09 kg  
Butyrolactone 2.6407E-12 kg  
Cadmium, ion 2.0231E-09 kg  
Cadmium, ion -1.0723E-09 kg  
Cadmium, ion 6.4159E-09 kg  
Cadmium, ion 5.3707E-07 kg  
Cadmium, ion -6.1141E-10 kg  
Calcium, ion 0.0070886 kg  
Calcium, ion 6.5127E-05 kg  
Calcium, ion 7.2516E-05 kg  
Calcium, ion -8.8608E-06 kg  
Calcium, ion 0.00043502 kg  
Carbaryl -2.3976E-22 kg  
Carbaryl -1.9253E-20 kg  
Carbon disulfide -2.601E-11 kg  
Carbon-14 -3.407E-08 kBq  
Carbonate 1.7227E-06 kg  
Carbonate 1.254E-08 kg  
Carbonate 5.3335E-09 kg  
Carboxylic acids, unspecified -3.7909E-07 kg  
Carboxylic acids, unspecified -5.0604E-06 kg  
Carboxylic acids, unspecified 5.0151E-12 kg  
Cerium-141 1.9299E-08 kBq  
Cerium-144 5.273E-08 kBq  
Cesium -6.413E-11 kg  
Cesium -1.3751E-09 kg  
Cesium-134 4.1122E-07 kBq  
Cesium-136 3.0741E-08 kBq  
Cesium-137 1.0951E-05 kBq  
Cesium-137 0.00016531 kBq  
Chloramine -2.6859E-10 kg  
Chlorate -8.6619E-07 kg  
Chloride -0.0021356 kg  
Chloride -0.0023944 kg  
Chloride 0.0010162 kg  
Chloride 6.225E-05 kg  
Chloride 0.0049035 kg

Chloride, ion 2.3349E-07 kg  
Chlorides, unspecified 1.8569E-06 kg  
Chlorinated solvents, unspecified -9.6493E-09 kg  
Chlorine 2.6922E-08 kg  
Chlorine 2.3647E-09 kg  
Chlorine -1.74E-09 kg  
Chloroacetic acid 3.8886E-10 kg  
Chloroacetyl chloride -1.7493E-11 kg  
Chloroform 1.4248E-10 kg  
Chloroform 6.2818E-13 kg  
Chlorosulfonic acid -1.2792E-11 kg  
Chromium VI 3.0958E-07 kg  
Chromium VI 2.6545E-06 kg  
Chromium VI 7.0052E-08 kg  
Chromium VI 8.5722E-10 kg  
Chromium, ion 1.9082E-09 kg  
Chromium, ion -6.2711E-10 kg  
Chromium, ion 7.8787E-08 kg  
Chromium, ion -2.3633E-10 kg  
Chromium-51 8.3623E-07 kBq  
Chrysene 1.9707E-14 kg  
Cobalt 4.9855E-09 kg  
Cobalt 8.0069E-06 kg  
Cobalt 2.1073E-08 kg  
Cobalt 2.99E-09 kg  
Cobalt -2.761E-12 kg  
Cobalt-57 9.7583E-07 kBq  
Cobalt-58 0.00012472 kBq  
Cobalt-60 4.3233E-05 kBq  
COD, Chemical Oxygen Demand -0.0011511 kg  
COD, Chemical Oxygen Demand 0.0010252 kg  
COD, Chemical Oxygen Demand 3.7899E-07 kg  
COD, Chemical Oxygen Demand -1.5603E-05 kg  
COD, Chemical Oxygen Demand 0.00054762 kg  
Copper, ion 1.572E-08 kg  
Copper, ion 4.6562E-08 kg  
Copper, ion 3.4671E-08 kg  
Copper, ion 0.0001462 kg  
Copper, ion -2.8395E-08 kg  
Cu-HDO 1.0448E-14 kg

Cumene 4.3153E-05 kg  
Cumene 8.8694E-05 kg  
Cyanide 6.645E-09 kg  
Cyanide -9.7111E-08 kg  
Cyanide -4.8092E-08 kg  
Dibenz(a,h)anthracene 3.5671E-16 kg  
Dicamba -7.0196E-20 kg  
Dicamba -1.7549E-17 kg  
Dichromate 3.3658E-11 kg  
Dichromate 4.1376E-09 kg  
Diethylamine -1.3849E-10 kg  
Diisobutyl ketone 3.2863E-12 kg  
Dimethenamid -2.119E-20 kg  
Dimethenamid -1.6952E-18 kg  
Dimethylamine -2.1533E-10 kg  
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin 1.7456E-18 kg  
Dipropylamine -8.1033E-11 kg  
Dissolved solids 2.0844E-05 kg  
Dissolved solids 1.1155E-05 kg  
Dissolved solids 0.0060134 kg  
DOC, Dissolved Organic Carbon 0.00067344 kg  
DOC, Dissolved Organic Carbon -0.00027835 kg  
DOC, Dissolved Organic Carbon 4.2843E-07 kg  
DOC, Dissolved Organic Carbon -4.5692E-06 kg  
DOC, Dissolved Organic Carbon 0.0001757 kg  
Elemental carbon 4.9459E-09 kg  
Ethane, 1,1,1-trichloro-, HCFC-140 -2.5139E-19 kg  
Ethane, 1,2-dichloro- -1.6808E-08 kg  
Ethane, 1,2-dichloro- 5.2541E-12 kg  
Ethanol 1.1037E-08 kg  
Ethanol -4.6535E-11 kg  
Ethene 2.2501E-08 kg  
Ethene, chloro- 5.7419E-11 kg  
Ethene, chloro- 1.744E-11 kg  
Ethyl acetate -1.3504E-10 kg  
Ethylamine -3.1899E-11 kg  
Ethylene diamine -1.0506E-11 kg  
Ethylene oxide 3.6826E-09 kg  
Fluoranthene 1.604E-10 kg  
Fluorene 5.912E-11 kg

Fluoride -1.0155E-06 kg  
Fluoride 3.7584E-05 kg  
Fluoride 4.1402E-07 kg  
Fluoride 5.1553E-07 kg  
Fluoride 8.5622E-08 kg  
Fluosilicic acid 2.3392E-08 kg  
Fluosilicic acid -7.1975E-09 kg  
Formaldehyde 7.6436E-06 kg  
Formaldehyde 5.8908E-06 kg  
Formamide -2.028E-11 kg  
Formate -2.186E-09 kg  
Formic acid -5.8869E-12 kg  
Fungicides, unspecified 9.0321E-12 kg  
Glutaraldehyde 2.9427E-09 kg  
Glyphosate 5.2003E-12 kg  
Glyphosate 3.3212E-14 kg  
Glyphosate 8.2591E-14 kg  
Heat, waste 0.0032899 MJ  
Heat, waste -0.0041326 MJ  
Heat, waste 0.014567 MJ  
Hydrocarbons, aliphatic, alkanes, unspecified -8.3369E-09 kg  
Hydrocarbons, aliphatic, alkanes, unspecified -1.7877E-07 kg  
Hydrocarbons, aliphatic, unsaturated -7.6956E-10 kg  
Hydrocarbons, aliphatic, unsaturated -1.6541E-08 kg  
Hydrocarbons, aromatic 6.4006E-10 kg  
Hydrocarbons, aromatic -7.1507E-07 kg  
Hydrocarbons, unspecified -9.7442E-06 kg  
Hydrocarbons, unspecified 7.3167E-08 kg  
Hydrocarbons, unspecified 4.639E-07 kg  
Hydrochloric acid 1.8122E-07 kg  
Hydrogen carbonate 6.3722E-07 kg  
Hydrogen peroxide 4.944E-09 kg  
Hydrogen sulfide 1.036E-05 kg  
Hydrogen sulfide 3.752E-06 kg  
Hydrogen sulfide 6.114E-08 kg  
Hydrogen-3, Tritium 0.202 kBq  
Hydrogen-3, Tritium 0.34345 kBq  
Hydroxide 4.6952E-08 kg  
Hydroxide -1.822E-09 kg  
Hypochlorite 9.3583E-09 kg

Hypochlorite 2.0859E-08 kg  
Indeno(1,2,3-cd)pyrene 5.5988E-15 kg  
Iodide -7.679E-08 kg  
Iodide 2.3859E-09 kg  
Iodide -6.413E-09 kg  
Iodide 6.894E-09 kg  
Iodine-131 8.3891E-07 kBq  
Iodine-133 4.5576E-08 kBq  
Iron 8.867E-08 kg  
Iron, ion -1.3952E-06 kg  
Iron, ion 0.0013745 kg  
Iron, ion 0.00014884 kg  
Iron, ion -2.2586E-09 kg  
Iron, ion 8.5554E-06 kg  
Iron-59 -2.3189E-07 kBq  
Isopropylamine -1.1721E-11 kg  
Lactic acid -6.3476E-11 kg  
Lanthanum-140 5.4272E-08 kBq  
Lead 4.2735E-08 kg  
Lead 1.1026E-08 kg  
Lead 5.2233E-08 kg  
Lead 1.4469E-05 kg  
Lead 2.0626E-09 kg  
Lead-210 4.3132E-06 kBq  
Lead-210 3.9151E-05 kBq  
Lead-210 -1.4479E-06 kBq  
Lead-210 -1.1901E-07 kBq  
Lithium 6.7466E-11 kg  
Lithium, ion -4.4025E-10 kg  
Lithium, ion 0.00014543 kg  
Magnesium -2.2097E-05 kg  
Magnesium 0.0028099 kg  
Magnesium 2.9587E-05 kg  
Magnesium 5.9951E-06 kg  
Magnesium 8.487E-05 kg  
Manganese 0.00024813 kg  
Manganese 1.209E-07 kg  
Manganese 1.5092E-06 kg  
Manganese -2.6424E-09 kg  
Manganese 1.4223E-07 kg

Manganese-54 1.4352E-06 kBq  
MCPA 6.6741E-13 kg  
MCPA 3.0848E-15 kg  
Mercury 1.7763E-10 kg  
Mercury -2.7716E-09 kg  
Mercury 9.5025E-08 kg  
Mercury 4.4086E-11 kg  
Mercury 3.7555E-10 kg  
Methane, dichloro-, HCC-30 5.9084E-09 kg  
Methane, tetrachloro-, R-10 3.849E-13 kg  
Methanol 3.4513E-08 kg  
Methanol 1.7672E-06 kg  
Methanol 5.826E-08 kg  
Methyl acetate -7.3013E-12 kg  
Methyl acrylate 2.6092E-08 kg  
Methyl amine -4.4188E-11 kg  
Methyl formate -9.6177E-11 kg  
Methyl pentane 6.0735E-13 kg  
Metolachlor 2.8871E-14 kg  
Metolachlor 3.8748E-16 kg  
Molybdenum 8.949E-08 kg  
Molybdenum 1.7251E-06 kg  
Molybdenum 1.9654E-07 kg  
Molybdenum 3.0186E-09 kg  
Molybdenum-99 7.029E-10 kBq  
Monoethanolamine 3.7613E-11 kg  
m-Xylene -1.5816E-11 kg  
m-Xylene 4.0985E-09 kg  
Naphtalene 1.1855E-11 kg  
Nickel, ion -2.5556E-10 kg  
Nickel, ion 7.8963E-08 kg  
Nickel, ion 4.0269E-08 kg  
Nickel, ion 3.4293E-05 kg  
Nickel, ion -7.9593E-09 kg  
Niobium-95 3.3592E-07 kBq  
Nitrate -0.00011272 kg  
Nitrate -1.0991E-05 kg  
Nitrate 0.00026887 kg  
Nitrate 4.49E-09 kg  
Nitrate 1.0789E-07 kg



Nitrite -2.5486E-08 kg  
Nitrite -9.8181E-11 kg  
Nitrite 5.1091E-08 kg  
Nitrite 4.9457E-09 kg  
Nitrite 2.2383E-09 kg  
Nitrobenzene 1.9685E-09 kg  
Nitrobenzene -4.3298E-19 kg  
Nitrogen 9.7856E-05 kg  
Nitrogen -4.4265E-08 kg  
Nitrogen 3.131E-10 kg  
Nitrogen dioxide 4.4475E-12 kg  
Nitrogen, organic bound -6.3837E-07 kg  
Nitrogen, organic bound 7.5002E-10 kg  
Nitrogen, organic bound 1.5342E-06 kg  
Nitrogen, organic bound 1.4852E-07 kg  
o-Dichlorobenzene 6.6646E-08 kg  
Oils, non-fossil 1.7822E-08 kg  
Oils, unspecified -5.0187E-06 kg  
Oils, unspecified -7.6814E-05 kg  
Oils, unspecified 4.4623E-06 kg  
Organic carbon 1.1697E-08 kg  
o-Xylene 2.9854E-09 kg  
PAH, polycyclic aromatic hydrocarbons 2.024E-10 kg  
PAH, polycyclic aromatic hydrocarbons -9.256E-10 kg  
PAH, polycyclic aromatic hydrocarbons 2.7908E-11 kg  
PAH, polycyclic aromatic hydrocarbons 2.0234E-10 kg  
Pendimethalin -3.9111E-21 kg  
Pendimethalin -2.333E-18 kg  
Phenanthrene 1.3306E-10 kg  
Phenol -1.4023E-08 kg  
Phenol 4.7916E-05 kg  
Phenol 6.4873E-07 kg  
Phosphate 9.553E-05 kg  
Phosphate -0.00011042 kg  
Phosphate 0.00080686 kg  
Phosphate 6.1724E-12 kg  
Phosphate -3.9208E-07 kg  
Phosphorus -1.9553E-06 kg  
Phosphorus 5.8431E-07 kg  
Phosphorus -2.325E-08 kg

Phosphorus 4.2918E-11 kg  
Phosphorus oxychloride 1.7856E-13 kg  
Polonium-210 4.3132E-06 kBq  
Polonium-210 -3.5467E-05 kBq  
Polonium-210 -1.8109E-07 kBq  
Polychlorinated biphenyls -2.2237E-14 kg  
Potassium 1.6756E-08 kg  
Potassium, ion 0.0016197 kg  
Potassium, ion 9.4736E-06 kg  
Potassium, ion 1.507E-05 kg  
Potassium, ion 1.6507E-06 kg  
Potassium, ion 6.3272E-13 kg  
Potassium-40 5.4144E-06 kBq  
Potassium-40 -2.8095E-06 kBq  
Potassium-40 -1.4384E-08 kBq  
Propanal -1.6924E-11 kg  
Propanol -2.1481E-11 kg  
Propene 5.1447E-05 kg  
Propiconazole 2.9254E-18 kg  
Propiconazole 3.0606E-14 kg  
Propionic acid 7.3037E-10 kg  
Propylamine -7.1021E-12 kg  
Propylene oxide 1.0045E-08 kg  
Protactinium-234 1.0841E-05 kBq  
Pyraclostrobin 4.5844E-20 kg  
Pyraclostrobin 2.8875E-18 kg  
Pyrene 1.2084E-10 kg  
Radioactive species, alpha emitters -3.2024E-06 kBq  
Radioactive species, Nuclides, unspecified 3.0695E-07 kBq  
Radioactive species, Nuclides, unspecified 0.00086247 kBq  
Radium-224 -3.2065E-06 kBq  
Radium-224 -6.8756E-05 kBq  
Radium-226 0.0034716 kBq  
Radium-226 -3.1301E-05 kBq  
Radium-226 0.00017912 kBq  
Radium-226 -1.3349E-07 kBq  
Radium-228 -6.413E-06 kBq  
Radium-228 -0.00013751 kBq  
Radium-228 0.00025205 kBq  
Rubidium -6.413E-10 kg

Rubidium -1.3751E-08 kg  
Ruthenium-103 3.1179E-08 kBq  
Scandium 1.0323E-08 kg  
Scandium 1.6784E-06 kg  
Scandium 1.0923E-08 kg  
Selenium 8.5997E-07 kg  
Selenium 3.3955E-08 kg  
Selenium 2.1737E-08 kg  
Selenium -6.669E-11 kg  
Silicon 7.0974E-06 kg  
Silicon 0.0061744 kg  
Silicon 1.3133E-05 kg  
Silicon 1.0173E-09 kg  
Silver, ion -8.3657E-10 kg  
Silver, ion 7.5165E-07 kg  
Silver, ion 7.253E-10 kg  
Silver, ion -3.8478E-11 kg  
Silver, ion 2.8361E-07 kg  
Silver-110 5.2008E-07 kBq  
Sodium 3.3412E-08 kg  
Sodium 4.7083E-09 kg  
Sodium formate 9.7566E-12 kg  
Sodium, ion -0.001403 kg  
Sodium, ion 0.001098 kg  
Sodium, ion 3.5024E-05 kg  
Sodium, ion 3.3073E-05 kg  
Sodium, ion 0.0013818 kg  
Sodium-24 1.0918E-06 kBq  
Solids, inorganic 1.0512E-07 kg  
Solids, inorganic 0.00011811 kg  
Solids, inorganic 0.00032552 kg  
Strontium -2.4623E-06 kg  
Strontium 9.8437E-05 kg  
Strontium 1.0992E-06 kg  
Strontium -5.1812E-08 kg  
Strontium 7.3781E-06 kg  
Strontium-89 3.9998E-07 kBq  
Strontium-90 1.9116E-06 kBq  
Strontium-90 1.8379E-05 kBq  
Sulfate -0.0011149 kg

Sulfate 0.019033 kg  
Sulfate 0.00096892 kg  
Sulfate 8.2396E-06 kg  
Sulfate -4.3104E-06 kg  
Sulfate, ion 1.2979E-07 kg  
Sulfate, ion 3.8597E-14 kg  
Sulfide 9.3395E-10 kg  
Sulfide -4.5893E-08 kg  
Sulfide 1.8635E-10 kg  
Sulfite 7.6478E-08 kg  
Sulfite 2.5276E-14 kg  
Sulfur -1.866E-05 kg  
Sulfur 1.1373E-07 kg  
Sulfur 3.5239E-07 kg  
Sulfur 8.5419E-09 kg  
Sulfuric acid -4.2223E-06 kg  
Suspended solids, unspecified 8.3838E-05 kg  
Suspended solids, unspecified -1.7837E-06 kg  
Suspended solids, unspecified 0.00012299 kg  
t-Butyl methyl ether -1.8081E-10 kg  
t-Butyl methyl ether -8.1414E-12 kg  
t-Butylamine -1.7021E-11 kg  
Technetium-99m 3.0839E-07 kBq  
Tefluthrin -1.0046E-25 kg  
Tefluthrin -6.0275E-24 kg  
Tellurium-123m 1.718E-07 kBq  
Tellurium-132 9.2114E-09 kBq  
Thallium 1.5349E-10 kg  
Thallium 6.4611E-07 kg  
Thallium 1.4178E-10 kg  
Thallium 3.2157E-10 kg  
Thallium 3.6176E-12 kg  
Thiocyanate, ion 1.5053E-12 kg  
Thorium-228 -1.2844E-05 kBq  
Thorium-228 -0.00027502 kBq  
Thorium-228 -1.4591E-09 kBq  
Thorium-230 0.00091788 kBq  
Thorium-232 -8.693E-10 kBq  
Thorium-232 1.0095E-06 kBq  
Thorium-234 1.0849E-05 kBq

Tin, ion 4.6227E-10 kg  
Tin, ion 2.6402E-06 kg  
Tin, ion 2.7219E-09 kg  
Tin, ion 1.4794E-08 kg  
Titanium, ion 3.4079E-08 kg  
Titanium, ion 4.5939E-05 kg  
Titanium, ion 2.7849E-08 kg  
Titanium, ion 4.8539E-08 kg  
Titanium, ion 1.6642E-10 kg  
TOC, Total Organic Carbon -0.00030375 kg  
TOC, Total Organic Carbon 0.00067344 kg  
TOC, Total Organic Carbon 4.2843E-07 kg  
TOC, Total Organic Carbon -4.5692E-06 kg  
TOC, Total Organic Carbon 0.0001757 kg  
Toluene -1.1652E-08 kg  
Toluene -9.0685E-08 kg  
Toluene 2.1452E-07 kg  
Toluene, 2-chloro 1.4609E-09 kg  
Tributyltin compounds 1.3777E-11 kg  
Triethylene glycol 6.5896E-10 kg  
Triethylene glycol 6.592E-10 kg  
Triethylene glycol 5.7598E-08 kg  
Trimethylamine -1.5348E-11 kg  
Tungsten 1.3177E-07 kg  
Tungsten -1.0282E-08 kg  
Tungsten 1.5272E-08 kg  
Uranium alpha 0.00042299 kBq  
Uranium-234 1.2548E-05 kBq  
Uranium-235 1.4001E-05 kBq  
Uranium-238 2.7386E-05 kBq  
Uranium-238 -1.0065E-10 kBq  
Uranium-238 -1.1925E-05 kBq  
Uranium-238 -6.1056E-08 kBq  
Urea 2.413E-14 kg  
Urea -2.851E-11 kg  
Vanadium, ion 2.3293E-08 kg  
Vanadium, ion 5.6257E-06 kg  
Vanadium, ion 7.5634E-09 kg  
Vanadium, ion 3.4955E-09 kg  
VOC, volatile organic compounds, unspecified origin -2.2446E-08 kg

VOC, volatile organic compounds, unspecified origin -4.5721E-07 kg

VOC, volatile organic compounds, unspecified origin 9.8686E-10 kg

Water 2.1917 m3

Water 0.0095197 m3

Water -0.00020717 m3

Water 3.8059E-05 m3

Xylene -1.0754E-08 kg

Xylene -1.293E-07 kg

Xylene 1.0832E-07 kg

Zinc, ion 1.3328E-08 kg

Zinc, ion 5.1868E-07 kg

Zinc, ion 8.6967E-08 kg

Zinc, ion 4.6898E-05 kg

Zinc, ion 9.3636E-07 kg

Zinc-65 1.1725E-08 kBq

Zirconium-95 2.5196E-08 kBq

From Environment

natural resource

Aluminium, in ground 0.00055158 kg

Anhydrite, in ground 9.0516E-08 kg

Antimony, in ground 6.5286E-10 kg

Argon-40 0.0003609 kg

Arsenic, in ground -3.8847E-09 kg

Barium, in ground 9.1218E-05 kg

Basalt, in ground 0.00020196 kg

Borax, in ground 2.0531E-07 kg

Bromine, in water -1.6856E-07 kg

Cadmium, in ground 1.4586E-08 kg

Calcite, in ground 0.01665 kg

Calcium, in ground 1.5169E-05 kg

Carbon dioxide, in air 2.6807 kg

Carbon, organic, in soil or biomass stock -0.00038205 kg

Carnallite 2.7518E-07 kg

Cerium, in ground -1.1526E-08 kg

Chromium, in ground 0.00015487 kg

Chrysotile, in ground 3.6065E-07 kg

Clay, bentonite, in ground 0.00012928 kg

Clay, unspecified, in ground 0.012422 kg

Coal, brown, in ground 0.092265 kg

Coal, hard, unspecified, in ground 0.093861 kg

Cobalt, in ground 8.333E-07 kg  
Colemanite, in ground 1.2398E-06 kg  
Copper, in ground 0.00052516 kg  
Diatomite, in ground 1.9956E-11 kg  
Dolomite, in ground -0.00027271 kg  
Dysprosium, in ground -4.0132E-12 kg  
Energy, geothermal, converted 0.03609 MJ  
Energy, gross calorific value, in biomass 27.025 MJ  
Energy, gross calorific value, in biomass, primary forest -0.0050421 MJ  
Energy, kinetic (in wind), converted 1.0477 MJ  
Energy, potential (in hydropower reservoir), converted 0.27251 MJ  
Energy, solar, converted 0.020409 MJ  
Europium, in ground -4.7368E-11 kg  
Feldspar, in ground 1.367E-10 kg  
Fluorine, in ground -0.00013959 kg  
Fluorspar, in ground 3.0266E-05 kg  
Gadolinium, in ground -1.599E-10 kg  
Gallium, in ground 1.7153E-07 kg  
Gangue, bauxite, in ground 0.0058691 kg  
Gangue, in ground 0.32829 kg  
Gas, mine, off-gas, process, coal mining 0.00087615 m3  
Gas, natural, in ground 0.2819 m3  
Gold, in ground 2.8434E-08 kg  
Granite, in ground 0.0028586 kg  
Gravel, in ground -0.99459 kg  
Gypsum, in ground 0.00049011 kg  
Hafnium, in ground 8.7831E-10 kg  
Iodine, in water -4.115E-08 kg  
Iron, in ground 0.010253 kg  
Kaolinite, in ground -3.6288E-05 kg  
Kieserite, in ground 3.304E-08 kg  
Lanthanum, in ground -5.6108E-09 kg  
Laterite, in ground 6.3925E-05 kg  
Lead, in ground 2.7201E-05 kg  
Lithium, in ground -2.324E-10 kg  
Magnesite, in ground -2.8521E-05 kg  
Magnesium, in ground 7.8829E-06 kg  
Manganese, in ground 0.00013202 kg  
Mercury, in ground -1.8444E-09 kg  
Metamorphous rock, graphite containing, in ground 7.4899E-07 kg

Molybdenum, in ground -4.4419E-05 kg  
Neodymium, in ground -4.1901E-09 kg  
Nickel, in ground 0.00027373 kg  
Niobium, in ground 1.1116E-09 kg  
Nitrogen 0.019463 kg  
Occupation, annual crop 0.00020113 m2\*year  
Occupation, annual crop, irrigated 1.4473E-05 m2\*year  
Occupation, annual crop, irrigated, intensive 1.3027E-09 m2\*year  
Occupation, annual crop, non-irrigated 9.4588E-07 m2\*year  
Occupation, annual crop, non-irrigated, extensive 6.9048E-09 m2\*year  
Occupation, annual crop, non-irrigated, intensive 0.00054806 m2\*year  
Occupation, arable land, unspecified use -8.683E-15 m2\*year  
Occupation, construction site 5.7993E-05 m2\*year  
Occupation, dump site 0.0032994 m2\*year  
Occupation, forest, extensive 20.028 m2\*year  
Occupation, forest, intensive -16.799 m2\*year  
Occupation, grassland, natural (non-use) 0.00012764 m2\*year  
Occupation, industrial area 0.0036971 m2\*year  
Occupation, inland waterbody, unspecified 9.5366E-09 m2\*year  
Occupation, lake, artificial 0.00010479 m2\*year  
Occupation, mineral extraction site 0.0005591 m2\*year  
Occupation, pasture, man made, extensive 1.2888E-10 m2\*year  
Occupation, pasture, man made, intensive -5.39E-07 m2\*year  
Occupation, permanent crop -0.0035701 m2\*year  
Occupation, permanent crop, irrigated -0.00017957 m2\*year  
Occupation, permanent crop, non-irrigated 5.3817E-08 m2\*year  
Occupation, river, artificial 0.00032355 m2\*year  
Occupation, seabed, drilling and mining 3.8255E-05 m2\*year  
Occupation, seabed, infrastructure 7.908E-07 m2\*year  
Occupation, shrub land, sclerophyllous 2.3407E-05 m2\*year  
Occupation, traffic area, rail network 0.00014858 m2\*year  
Occupation, traffic area, rail/road embankment -0.32834 m2\*year  
Occupation, traffic area, road network 0.0025764 m2\*year  
Occupation, unspecified 6.65E-06 m2\*year  
Occupation, unspecified, natural (non-use) 5.6996E-06 m2\*year  
Occupation, urban, discontinuously built -1.017E-06 m2\*year  
Occupation, urban/industrial fallow (non-use) 1.529E-07 m2\*year  
Oil, crude, in ground -0.0030105 kg  
Olivine, in ground 3.112E-08 kg  
Oxygen 0.011614 kg



Palladium, in ground -2.7409E-09 kg  
Peat, in ground 3.2445E-06 kg  
Perlite, in ground 1.9967E-06 kg  
Phosphorus, in ground -0.00068639 kg  
Platinum, in ground 3.4637E-10 kg  
Potassium, in ground -0.0003534 kg  
Praseodymium, in ground -1.4001E-09 kg  
Rhenium, in ground 3.8938E-09 kg  
Rhodium, in ground 3.742E-10 kg  
Samarium, in ground -1.9777E-10 kg  
Sand, unspecified, in ground 0.020379 kg  
Scandium, in ground -1.9034E-11 kg  
Selenium, in ground 2.9215E-06 kg  
Shale, in ground 0.015825 kg  
Silicon, in ground -9.7649E-06 kg  
Silver, in ground 2.5371E-07 kg  
Sodium chloride, in ground -0.00080108 kg  
Sodium nitrate, in ground 2.8408E-06 kg  
Sodium sulphate, various forms, in ground -6.2598E-05 kg  
Sodium, in ground 1.6961E-08 kg  
Spodumene, in ground -1.4061E-08 kg  
Strontium, in ground 5.4162E-08 kg  
Sulfur, in ground -5.4977E-05 kg  
Sylvite, in ground -0.0020429 kg  
Talc, in ground 2.1737E-07 kg  
Tantalum, in ground 9.8515E-08 kg  
Tellurium, in ground 5.3635E-07 kg  
Terbium, in ground -2.4079E-12 kg  
Tin, in ground 1.3146E-06 kg  
Titanium, in ground 2.7444E-05 kg  
Transformation, from annual crop 0.00025084 m2  
Transformation, from annual crop, irrigated 1.7758E-06 m2  
Transformation, from annual crop, irrigated, intensive 1.3472E-09 m2  
Transformation, from annual crop, non-irrigated 0.00019396 m2  
Transformation, from annual crop, non-irrigated, extensive 4.6892E-09 m2  
Transformation, from annual crop, non-irrigated, intensive 0.00036967 m2  
Transformation, from arable land, unspecified use 9.2859E-05 m2  
Transformation, from cropland fallow (non-use) 1.1071E-07 m2  
Transformation, from dump site, inert material landfill 3.4878E-06 m2  
Transformation, from dump site, residual material landfill 5.8182E-07 m2

Transformation, from dump site, sanitary landfill 1.9968E-07 m2  
Transformation, from dump site, slag compartment 4.1112E-07 m2  
Transformation, from forest, extensive 0.14342 m2  
Transformation, from forest, intensive -0.14396 m2  
Transformation, from forest, primary (non-use) -6.2009E-06 m2  
Transformation, from forest, secondary (non-use) -2.0643E-05 m2  
Transformation, from forest, unspecified 5.1686E-05 m2  
Transformation, from grassland, natural (non-use) 2.206E-06 m2  
Transformation, from grassland, natural, for livestock grazing 3.348E-07 m2  
Transformation, from heterogeneous, agricultural -1.0093E-09 m2  
Transformation, from industrial area -0.00011797 m2  
Transformation, from mineral extraction site 5.8398E-06 m2  
Transformation, from pasture, man made 1.0203E-05 m2  
Transformation, from pasture, man made, extensive 2.5777E-12 m2  
Transformation, from pasture, man made, intensive -1.1128E-08 m2  
Transformation, from permanent crop -0.00020005 m2  
Transformation, from permanent crop, irrigated -9.3842E-06 m2  
Transformation, from permanent crop, non-irrigated 2.6908E-09 m2  
Transformation, from river, natural (non-use) 5.2508E-07 m2  
Transformation, from seabed, infrastructure 6.2062E-09 m2  
Transformation, from seabed, unspecified 3.8285E-05 m2  
Transformation, from shrub land, sclerophyllous 5.9678E-06 m2  
Transformation, from traffic area, rail/road embankment -0.0026611 m2  
Transformation, from unspecified 9.4156E-05 m2  
Transformation, from unspecified, natural (non-use) 1.4429E-07 m2  
Transformation, from wetland, inland (non-use) 1.2012E-06 m2  
Transformation, to annual crop 4.4539E-05 m2  
Transformation, to annual crop, irrigated 1.7758E-06 m2  
Transformation, to annual crop, irrigated, intensive 1.4635E-09 m2  
Transformation, to annual crop, non-irrigated 0.00019396 m2  
Transformation, to annual crop, non-irrigated, extensive 7.1206E-09 m2  
Transformation, to annual crop, non-irrigated, intensive 0.00061876 m2  
Transformation, to arable land, unspecified use 0.00010384 m2  
Transformation, to cropland fallow (non-use) 1.6244E-07 m2  
Transformation, to dump site 2.54E-05 m2  
Transformation, to dump site, inert material landfill 3.4878E-06 m2  
Transformation, to dump site, residual material landfill 5.8186E-07 m2  
Transformation, to dump site, sanitary landfill 1.9968E-07 m2  
Transformation, to dump site, slag compartment 4.1112E-07 m2  
Transformation, to forest, extensive 0.14342 m2

Transformation, to forest, intensive -0.14396 m2  
Transformation, to forest, unspecified 6.291E-06 m2  
Transformation, to grassland, natural (non-use) 1.7018E-06 m2  
Transformation, to heterogeneous, agricultural 1.5827E-06 m2  
Transformation, to industrial area -3.0452E-05 m2  
Transformation, to inland waterbody, unspecified 9.5366E-11 m2  
Transformation, to lake, artificial -4.8036E-06 m2  
Transformation, to mineral extraction site -6.5846E-06 m2  
Transformation, to pasture, man made -5.7133E-07 m2  
Transformation, to pasture, man made, extensive 2.5777E-12 m2  
Transformation, to pasture, man made, intensive -2.7022E-08 m2  
Transformation, to permanent crop -0.00023604 m2  
Transformation, to permanent crop, irrigated -9.3842E-06 m2  
Transformation, to permanent crop, non-irrigated 2.6908E-09 m2  
Transformation, to river, artificial 3.5517E-06 m2  
Transformation, to seabed, drilling and mining 3.8255E-05 m2  
Transformation, to seabed, infrastructure 3.0267E-08 m2  
Transformation, to seabed, unspecified 6.2062E-09 m2  
Transformation, to shrub land, sclerophyllous 4.6804E-06 m2  
Transformation, to traffic area, rail network 3.4368E-07 m2  
Transformation, to traffic area, rail/road embankment -0.0026593 m2  
Transformation, to traffic area, road network 5.1045E-06 m2  
Transformation, to unspecified 4.8446E-06 m2  
Transformation, to unspecified, natural (non-use) 1.3901E-07 m2  
Transformation, to urban, discontinuously built -2.1063E-08 m2  
Transformation, to urban/industrial fallow (non-use) 2.0386E-09 m2  
Ulexite, in ground 1.7351E-06 kg  
Uranium, in ground 2.6316E-06 kg  
Vanadium, in ground 5.6733E-10 kg  
Volume occupied, final repository for low-active radioactive waste 3.2192E-09 m3  
Volume occupied, final repository for radioactive waste 7.4221E-10 m3  
Volume occupied, reservoir 0.0033491 m3\*year  
Volume occupied, underground deposit 3.3147E-09 m3  
Water, cooling, unspecified natural origin 0.099493 m3  
Water, in air 8.8122E-08 m3  
Water, lake -2.8897E-05 m3  
Water, river 0.0012065 m3  
Water, salt, ocean 3.7717E-05 m3  
Water, salt, sole -1.2147E-05 m3  
Water, turbine use, unspecified natural origin 2.1207 m3

Water, unspecified natural origin -0.00037439 m3

Water, unspecified natural origin 7.26E-06 m3

Water, well, in ground 0.00071965 m3

Wood, hard, standing 0.0017497 m3

Wood, soft, standing -0.0053758 m3

Wood, unspecified, standing -9.1959E-09 m3

Yttrium, in ground -1.4715E-11 kg

Zinc, in ground 0.00012496 kg

Zirconium, in ground 4.3915E-08 kg

social

residual wood, dry 4.0469E-08 m3

venting of argon, crude, liquid 0.00033064 kg

venting of nitrogen, liquid 0.0020057 kg

From Technosphere

Link to: [Exchanges](#) - [Activity Information](#)

Exchanges Properties

**Name Amount Unit Uncertainty SD**

Reference Product

By-product classification: allocatable product\CPC: 31921: Natural cork, debacked or roughly squared, or in blocks, plates, sheets or strip; crushed, granulated or groun[...]

cork slab

carbon allocation 0.54 kg

Uncertainty

Comment carbon content per unit of product (reserved; not for manual entry)

Mathematical Relation Variable Name

Defining Value False Source

carbon content 0.54 dimensionless

Uncertainty

Comment carbon content on a dry matter basis (reserved; not for manual entry)

Mathematical Relation Variable Name

Defining Value False Source

carbon content, fossil 0 dimensionless

Uncertainty

Comment

Mathematical Relation Variable Name

Defining Value False Source

carbon content, non-fossil 0.54 dimensionless

Uncertainty

Comment

Average carbon contents of cork (54 %(w/w)). Calculated from average composition of cork and it's components (sources: www, Roempp, Uhlmann)

Mathematical Relation Variable Name

Defining Value False Source

dry mass 1 kg

Uncertainty

Comment

Mathematical Relation Variable Name

Defining Value False Source

price 2.96 EUR2005

Uncertainty

Comment Calculated value based on data from United Nations Commodity Trade Statistics Database (comtrade.un.org). UN comtrade category: 4504 Agglomerated cork and articles thereof. Year 2005. Using exchange rate of 1EURO = 1.209 USD. Average of price of import into 5 main markets (EU, US, JP, IN and CN).

Mathematical Relation Variable Name

Defining Value False Source

water content 0 dimensionless

Uncertainty

Comment water mass/dry mass

Mathematical Relation Variable Name

Defining Value False Source

water in wet mass 0 kg

Uncertainty

Comment

Mathematical Relation Variable Name

Defining Value False Source

wet mass 1 kg

Uncertainty

Comment

Mathematical Relation Variable Name

Defining Value False Source

By-product/Waste

To Environment

From Environment

From Technosphere

Parameters

**Name Amount Unit Uncertainty SD**

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