



Change log
GaBi Service Pack
Update 35 to 36

May 2018

Contents

Introduction	2
1. Updated flow to quantity conversion factors.....	3
2. New quantities.....	33

Introduction

GaBi Service Packs comprise a collection of updates, enhancements or fixes to the following GaBi objects: flows, quantities, units, contacts, interpretations and references/citations. This document provides detailed information on what will be changed/added/deleted with the installation of this Service Pack.

If you need further information or if special questions should arise which have not been adequately described in this document, please feel free to send an e-mail to support@gabi-software.com.

1. Updated flow to quantity conversion factors

We found some inconsistent or missing flow to quantity conversion factors which we fixed or added with GaBi Service Pack 36.

The following quantities have been affected:

NF EN 15804, Air pollution
NF EN 15804, Water pollution
ReCiPe 2016 v1.1 Endpoint (E) - Human toxicity, non-cancer
ReCiPe 2016 v1.1 Endpoint (E) - Terrestrial ecotoxicity
ReCiPe 2016 v1.1 Endpoint (H) - Human toxicity, non-cancer
ReCiPe 2016 v1.1 Endpoint (H) - Terrestrial ecotoxicity
ReCiPe 2016 v1.1 Endpoint (I) - Human toxicity, non-cancer
ReCiPe 2016 v1.1 Endpoint (I) - Terrestrial ecotoxicity
ReCiPe 2016 v1.1 Midpoint (H) - Human toxicity, non-cancer
ReCiPe 2016 v1.1 Midpoint (H) - Terrestrial ecotoxicity
ReCiPe 2016 v1.1 Midpoint (H) - Human toxicity, non-cancer
ReCiPe 2016 v1.1 Midpoint (H) - Terrestrial ecotoxicity
ReCiPe 2016 v1.1 Midpoint (I) - Human toxicity, non-cancer
ReCiPe 2016 v1.1 Midpoint (I) - Terrestrial ecotoxicity

In those quantities, the characterization factors for the following flows have been adapted:

Flow Name	Quantity Name	SP35	SP36
1,2-Dibromoethane [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
1,4-Dioxan [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
1-Butanol [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
1-Butanol [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
1-Pentanol [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
1-Pentanol [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
1-Pentene [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T) [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
2,4-D, Dimethylamine salt [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
2,4-Dichlorophenoxyacetic acid (2,4-D) [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
2,4-dimethylphenol [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
2-Aminopropanol [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-

2-Aminopropanol [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
2-Butoxy-ethanol [Group NMVOC to air]	NF EN 15804, Air pollution	9090.909091	-
2-hexanone [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
2-Methyl-1,3-dioxalane [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
2-Methyl-2-butene [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
Acephate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Acetaldehyde (Ethanal) [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Acetaldehyde (Ethanal) [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
Acetamide [Pesticides to sea water]	NF EN 15804, Water pollution	20000	-
Acetamiprid [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Acetic acid [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Acetic acid [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Acetochlor [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Acetone (dimethylcetone) [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-

Acetone (dimethylcetone) [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
Acetonitrile [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
Acetyl chloride [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
Acrylic acid [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Adsorbable organic halogen compounds (AOX) [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Alachlor [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Midpoint (I) - Human toxicity, non-cancer	17.9	2.04080438157762
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Midpoint (H) - Human toxicity, non-cancer	17.9	2.04080438157762
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Endpoint (I) - Human toxicity, non-cancer	1.19035E-7	4.65303399208608E-7
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Endpoint (H) - Human toxicity, non-cancer	1.19035E-7	4.65303399208608E-7
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Midpoint (E) - Terrestrial ecotoxicity	0.01146	9.18506241015689
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Endpoint (H) - Terrestrial ecotoxicity	6.1733E-10	1.04709711035685E-10

Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Endpoint (E) - Terrestrial ecotoxicity	6.1733E-10	1.04709711035685E-10
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Midpoint (H) - Terrestrial ecotoxicity	0.01146	9.18506241015689
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Midpoint (I) - Terrestrial ecotoxicity	0.011455	9.18506241015689
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Midpoint (E) - Human toxicity, non-cancer	17.9	2.04080438157762
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Endpoint (E) - Human toxicity, non-cancer	1.19035E-7	4.65303399208608E-7
Aldehyde (unspecified) [Group NMVOC to air]	ReCiPe 2016 v1.1 Endpoint (I) - Terrestrial ecotoxicity	6.17061E-10	1.04709711035685E-10
Aldicarb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Aldrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Allyl chloride [Organic emissions to fresh water]	NF EN 15804, Water pollution	10000	-
alpha-Hexachloro cyclohexane [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Aluminium nitrate [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	31.92488263	-
Amine, tertiary [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Ammonium chloride [Other emissions to air]	NF EN 15804, Air pollution	6735.266604	-

Ammonium, ion [ecoinvent long-term to fresh water]	UBP 2013, Water pollutants	44000	-
Anilazine [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Aniline [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Arsenic, ion [ecoinvent long-term to fresh water]	UBP 2013, Heavy metals into water	10000000	-
Atrazine [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Avermectin (Abamectin) [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Azadirachtin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Azinphos-ethyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Azinphos-methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Azodrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Azoxystrobin [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Barban [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Benomyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Bentazone [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Beta-butyrolactone [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Bifenthrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

Biphenyl [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Bisphenol A [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Borate [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	1000	-
Bromoform [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Bromoxynil [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Butanediol [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Butanole (isomers) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Butanone (methyl ethyl ketone) [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Butylene glycol (butane diol) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Butylene glycol (butane diol) [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Butyraldehyde (n-; iso-butanal) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Butyrolactone [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Cadmium, ion [ecoinvent long-term to fresh water]	UBP 2013, Heavy metals into water	250000000	-

Captafol [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Captan [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Carbaryl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Carbendazim [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Carbofuran [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Carbon, organically bound [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Carboxylic acids, unspecified [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Carfentrazone-ethyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
CFCs and HCFCs, unspecified [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Chloramine [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Chlorate [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	4248.052726	-
Chlordane [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Chlorfenvinfos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Chloridazon [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Chloride [ecoinvent long-term to fresh water]	NF EN 15804, Water pollution	10000	-

Chloride [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	10000	-
Chloride [Inorganic emissions to sea water]	NF EN 15804, Water pollution	10000	-
Chlorinated solvents, unspecified [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Chlorine (dissolved) [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	10000	-
Chlorine [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	10000	-
Chlorine [Inorganic emissions to sea water]	NF EN 15804, Water pollution	10000	-
Chlormephos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Chlormequat-chloride [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Chloroacetic acid [Organic emissions to fresh water]	NF EN 15804, Water pollution	10000	-
Chloroacetyl chloride [Organic emissions to fresh water]	NF EN 15804, Water pollution	10000	-
Chlorosulfonic acid [Organic emissions to fresh water]	NF EN 15804, Water pollution	10000	-
Chlorothalonil [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Chlorpropham [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Chlorpyriphos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Midpoint (I) - Human toxicity, non-cancer	118.7009466	3.43490388783409
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Endpoint (I) - Human toxicity, non-cancer	7.89361E-7	7.83158086361611E-7
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Midpoint (E) - Terrestrial ecotoxicity	5.52668E-15	2.54090217272545E-13
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Endpoint (H) - Terrestrial ecotoxicity	1.14964E-25	6.5563882168591E-26
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Endpoint (E) - Terrestrial ecotoxicity	2.97713E-22	2.8966280353041E-24
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Endpoint (H) - Human toxicity, non-cancer	1.30984E-5	1.30784804927625E-5
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Midpoint (H) - Human toxicity, non-cancer	1969.679243	57.3617561599929
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Midpoint (H) - Terrestrial ecotoxicity	2.13418E-18	5.75122501092733E-15
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Midpoint (I) - Terrestrial ecotoxicity	4.58526E-19	1.74735057968355E-15
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Midpoint (E) - Human toxicity, non-cancer	144955.0403	4221.4398487036
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Endpoint (E) - Human toxicity, non-cancer	0.000963951	0.00096248820695684
Chromium (+VI) [ecoinvent long-term to fresh water]	ReCiPe 2016 v1.1 Endpoint (I) - Terrestrial ecotoxicity	2.47E-26	1.99198028736308E-26

Chromium (+VI) [ecoinvent long-term to fresh water]	UBP 2013, Heavy metals into water	12000000	-
Chromium VI [ecoinvent long-term to air]	ReCiPe 2016 v1.1 Midpoint (I) - Human toxicity, non-cancer	137.208184	2890.69975168889
Chromium VI [ecoinvent long-term to air]	ReCiPe 2016 v1.1 Endpoint (I) - Human toxicity, non-cancer	9.12434E-7	0.000659079813077821
Chromium VI [ecoinvent long-term to air]	ReCiPe 2016 v1.1 Endpoint (H) - Human toxicity, non-cancer	3.89805E-5	0.000696377466910126
Chromium VI [ecoinvent long-term to air]	ReCiPe 2016 v1.1 Midpoint (H) - Human toxicity, non-cancer	5861.735087	3054.28378572367
Chromium VI [ecoinvent long-term to air]	ReCiPe 2016 v1.1 Midpoint (E) - Human toxicity, non-cancer	186346.9823	8314.69455969535
Chrysene [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Clopyralid [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
COD, Chemical Oxygen Demand [ecoinvent long-term to fresh water]	UBP 2013, Water pollutants	6799.99999999999	-
Copper [ecoinvent long-term to fresh water]	UBP 2013, Heavy metals into water	13000000	-
Coumaphos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Cresol (methyl phenol) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Cresol (methyl phenol) [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-

Cumene (isopropylbenzene) [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Cyanazine [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Cyclanilide [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Cyfluthrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Cypermethrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Cyprodinil (CGA-219417) [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Cyromazine [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
DDT [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Decane [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Deltamethrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Demeton [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Desmetrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Diazinon [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dibutyltin oxide [Organic emissions to fresh water]	NF EN 15804, Water pollution	238.6304234	-
Dicamba [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dicamba sodium salt [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

Dichlorprop [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dichlorvos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dicofol [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dicrotophos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dieldrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Diethylamine [Organic emissions to fresh water]	NF EN 15804, Water pollution	107.5268817	-
Difenoconazole [Pesticides to agricultural soil]	NF EN 15804, Water pollution	20000	-
Diflufenican [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dimethazone [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dimethenamid [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dimethoate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dinoseb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dinoterb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dipropylamine [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Dipropylthiocarbamic acid S-ethyl ester [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Diquat-dibromide [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

Diquat-dibromide [Pesticides to sea water]	NF EN 15804, Water pollution	20000	-
Disulfothon [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Disulfoton [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Diuron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
DNOC [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Dodecane [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
DP-MP062 [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Endosulfan [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Endothal [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Endrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Esfenvalerate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Ethalfuralin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Ethanol [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Ethephon [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Ethion [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Ethoprophos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Ethylamine [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-

Ethylene acetate (ethyl acetate) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Ethylene Glycol [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Ethylene Glycol [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-
Ethylene oxide [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Ethylenediaminetetraacetic acid (EDTA) [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Etofenprox [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Etoxazole [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fatty acids (calculated as total carbon) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Fatty acids (calculated as total carbon) [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Fenitrothion [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fenoxaprop-p-ethyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fenpropimorph [Pesticides to agricultural soil]	ReCiPe 2016 v1.1 Endpoint (H) - Terrestrial ecotoxicity	4.22753550781446E-11	2.9981245987999E-11
Fenpropimorph [Pesticides to agricultural soil]	ReCiPe 2016 v1.1 Midpoint (E) - Terrestrial ecotoxicity	0.000784791940344	2.62993386145018

Fenpropimorph [Pesticides to agricultural soil]	ReCiPe 2016 v1.1 Endpoint (E) - Terrestrial ecotoxicity	4.22753550781446E-11	2.99812460194597E-11
Fenpropimorph [Pesticides to agricultural soil]	ReCiPe 2016 v1.1 Midpoint (H) - Terrestrial ecotoxicity	0.000784791940344	2.62993386145018
Fenpropimorph [Pesticides to agricultural soil]	ReCiPe 2016 v1.1 Midpoint (I) - Terrestrial ecotoxicity	0.000784791940344	2.62993209773057
Fenpropimorph [Pesticides to agricultural soil]	ReCiPe 2016 v1.1 Endpoint (I) - Terrestrial ecotoxicity	4.22753550781446E-11	2.99812258828729E-11
Fenpropimorph [Pesticides to industrial soil]	ReCiPe 2016 v1.1 Endpoint (E) - Terrestrial ecotoxicity	6.80063689251402E-8	3.81281348320962E-11
Fenpropimorph [Pesticides to industrial soil]	ReCiPe 2016 v1.1 Endpoint (H) - Terrestrial ecotoxicity	6.80063689251402E-8	3.81281348320962E-11
Fenpropimorph [Pesticides to industrial soil]	ReCiPe 2016 v1.1 Midpoint (E) - Terrestrial ecotoxicity	1.26245776353283	3.34457322876026
Fenpropimorph [Pesticides to industrial soil]	ReCiPe 2016 v1.1 Midpoint (H) - Terrestrial ecotoxicity	1.26245776353283	3.34457322876026
Fenpropimorph [Pesticides to industrial soil]	ReCiPe 2016 v1.1 Midpoint (I) - Terrestrial ecotoxicity	1.26245776353283	3.34456869836751
Fenpropimorph [Pesticides to industrial soil]	ReCiPe 2016 v1.1 Endpoint (I) - Terrestrial ecotoxicity	6.80063689251402E-8	3.81280832107916E-11
Fenthion [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fenthoate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fentin acetate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

Fentin chloride [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fentine hydroxide [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fenvalerate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fipronil [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fluazifop-p-butyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fluazinam [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Flumioxazin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fluometuron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fluoride [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	66.66666667	-
Fluoride [Inorganic emissions to sea water]	NF EN 15804, Water pollution	66.66666667	-
Fluorine [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	66.66666667	-
Fluorine [Inorganic emissions to sea water]	NF EN 15804, Water pollution	66.66666667	-
Fluroxypyr [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Folpet [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Fomesafen [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Formaldehyde (methanal) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-

Formamide [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Formate [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Formic acid [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Formothion [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Furan [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Glutaraldehyde [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Glutaraldehyde [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Glyphosate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Glyphosate-isopropylammonium [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Glyphosate-trimesium [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Heptachlor [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Heptenophos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Hexadecane [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Hydrocarbons, chlorinated [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-

Hydrocarbons, chloro-/fluoro- [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Hydrocarbons, halogenated [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Hydrogen chloride [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	10000	-
Hydrogen fluoride (hydrofluoric acid) [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	66.66666667	-
Hydrogen iodide [Inorganic emissions to air]	NF EN 15804, Air pollution	200000	-
Hypochlorite [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	6890.184645	-
Hypochlorite [Inorganic emissions to sea water]	NF EN 15804, Water pollution	6890.184645	-
Imidacloprid [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Inorganic dissolved matter (unspecified) [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	28.57142857	-
loxynil [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
lprodione [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
iso-Butanol [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
iso-Butanol [Organic emissions to sea water]	NF EN 15804, Water pollution	100	-

Isodecanol [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Isopropylamine [ecoinvent long-term to fresh water]	NF EN 15804, Water pollution	100	-
Isopropylamine [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Isoproturon [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Lactic acid [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Lambda cyhalothrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Lead [ecoinvent long-term to fresh water]	UBP 2013, Heavy metals into water	4200000	-
Lindane [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Linuron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Lithium [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	1000	-
Magnesium [ecoinvent long-term to fresh water]	NF EN 15804, Water pollution	1000	-
Magnesium [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	1000	-
Magnesium [Inorganic emissions to sea water]	NF EN 15804, Water pollution	1000	-
Magnesium chloride [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	7702.379077	-

Malathion [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Mancozeb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Maneb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
MCPA [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Mecarbam [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Mecoprop [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Mepiquat chloride [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Mercury [ecoinvent long-term to fresh water]	UBP 2013, Heavy metals into water	8600000000	-
Metamitron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Metazachlor [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Methabenzthiazuron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Methane [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Methanol [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Methanol [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Methomyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Methyl acetate [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-

Methyl acrylate [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Methyl bromide [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Methyl formate [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Methyl isobutyl ketone [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Methyl tert-butylether [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Methyl tert-butylether [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Metobromuron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Metolachlor [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Metribuzin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Metsulfuron-methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Mevinphos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Molinate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Molybdenum [ecoinvent long-term to fresh water]	NF EN 15804, Water pollution	1000	-
Molybdenum [Heavy metals to agricultural soil]	NF EN 15804, Water pollution	2000	-

Molybdenum [Heavy metals to fresh water]	NF EN 15804, Water pollution	1000	-
Molybdenum [Heavy metals to industrial soil]	NF EN 15804, Water pollution	2000	-
Molybdenum [Heavy metals to sea water]	NF EN 15804, Water pollution	1000	-
Monocarbamide dihydrogen sulfate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Monoethanolamine [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Monolinuron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Morpholine [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Naled [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
n-Butyl acetate [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Nickel, ion [ecoinvent long-term to fresh water]	UBP 2013, Heavy metals into water	11000000	-
Nickel-refinery-dust [Other emissions to agricultural soil]	NF EN 15804, Water pollution	2000	-
Nitrate [ecoinvent long-term to fresh water]	UBP 2013, Water pollutants	13000	-
Nitric acid [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	7.407407407	-
Nitrite [ecoinvent long-term to fresh water]	UBP 2013, Water pollutants	17000	-

Nitrobenzene [Organic emissions to fresh water]	NF EN 15804, Water pollution	303.030303	-
Nitrogen dioxide [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	10.14492754	-
Nitrogen organic bound [ecoinvent long-term to fresh water]	UBP 2013, Water pollutants	57000	-
Nitrogen oxides [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	10.14492754	-
Norflurazon [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Novaluron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Organic chlorine compounds [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Organic compounds (dissolved) [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Organic compounds (unspecified) [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Oxamyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Oxydemeton-methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Oxyfluorfen [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Paraffin oil [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Paraquat [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

Parathion-ethyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Parathion-methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Pendimethalin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Pentachlorophenol (PCP) [Halogenated organic emissions to air]	NF EN 15804, Air pollution	2848.533548	-
Perfluorocarbons, unspecified [Halogenated organic emissions to air]	NF EN 15804, Air pollution	200000	-
Permethrin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Phenol (hydroxy benzene) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Phenol (hydroxy benzene) [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Phorate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Phosalone [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Phosphamidon [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Phosphate [ecoinvent long-term to fresh water]	UBP 2013, Water pollutants	290000	-
Phosphorus-pent-oxide [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	43.66197183	-
Phoxim [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Phthalate [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-

Pirimicarb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Pirimiphos-methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Profenofos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Prometryne [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Propachlor [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Propanil [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Propanol (iso-propanol; isopropanol) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Propanol (iso-propanol; isopropanol) [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Propanol [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Propene [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Propiconazole [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Propionaldehyde [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Propionic acid [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Propoxur [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Propylamine [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-

Propylene oxide [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Pyraflufen-ethyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Pyrazophos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Pyriithiobac-sodium salt [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Quinalphos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Quizalofop-ethyl [Pesticides to agricultural soil]	NF EN 15804, Water pollution	20000	-
Rubidium [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	1000	-
Simazine [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
S-Metolachlor [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Sodium benzoate [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Sodium chlorate [Pesticides to air]	NF EN 15804, Air pollution	6660.403946	-
Sodium chlorate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Sodium chloride (rock salt) [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	6065.012831	-
Sodium formate [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-

Sodium hypochlorite [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	4761.584956	-
Sodium nitrate [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	5.490196078	-
Steam (MJ) [steam]	Mass	0.32258064516129	0
Sulphur [Inorganic emissions to fresh water]	NF EN 15804, Water pollution	28.57142857	-
Sulphur [Inorganic emissions to sea water]	NF EN 15804, Water pollution	28.57142857	-
Tantalum [Heavy metals to fresh water]	NF EN 15804, Water pollution	1000	-
t-Butylamine [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Terbufos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Thallium [ecoinvent long-term to fresh water]	NF EN 15804, Water pollution	1000	-
Thallium [Heavy metals to fresh water]	NF EN 15804, Water pollution	1000	-
Thallium [Heavy metals to sea water]	NF EN 15804, Water pollution	1000	-
Thiamethoxam [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Thidiazuron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Thifensulfuron methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Thiobencarb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

Thiocyanate, ion [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Thiodicarb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Thiram [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Tolclophos-methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Toluene diisocyanate (TDI) [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Triallate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Triasulfuron [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Triazophos [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Tribenuron methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Tributyl phosphate [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Tributylphosphorotrithioate [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Tributyltin [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
Tributyltin oxide [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Tributyltin oxide [Pesticides to sea water]	NF EN 15804, Water pollution	20000	-
Trichlorfon [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

Triethylene glycol [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
Triethylene glycol [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Trifluralin [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Triflusulfuron-methyl [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-
Trimethylamine [Organic emissions to fresh water]	NF EN 15804, Water pollution	100	-
VOC (unspecified) [Hydrocarbons to fresh water]	NF EN 15804, Water pollution	100	-
VOC (unspecified) [Hydrocarbons to sea water]	NF EN 15804, Water pollution	100	-
Zinc, ion [ecoinvent long-term to fresh water]	UBP 2013, Heavy metals into water	6200000	-
Zineb [Pesticides to fresh water]	NF EN 15804, Water pollution	20000	-

2. New quantities

Quantity	Folder
Hazardous Air Pollutants (HAP)	SoFi quantities
NO _x	SoFi quantities
Particulate Matter (PM)	SoFi quantities
Persistent Organic Pollutant (POP)	SoFi quantities
SO _x	SoFi quantities
Volatile Organic Compounds (VOC)	SoFi quantities

GaBi ts Service Pack 36 will be available to you via the automatic update functionality in the GaBi software. No new installation procedure will be necessary.

On May 15th 2018, the new version is available to you on the GaBi update server - the software will prompt you to download the updated version.

If you do not have a valid maintenance contract, you will not have access to this upgrade. Please contact your local GaBi sales representative for a quote gabi@thinkstep.com.

thinkstep AG, Hauptstr. 111-113
70771 Leinfelden-Echterdingen, Germany
Phone +49 711 341 817-0 Fax +49 711 341 817-25
info@thinkstep.com **www.thinkstep.com**
