

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|----------------|--|
| Product form | : Substance |
| Substance name | : Basic Copper Carbonate |
| EC-No. | : 235-113-6 |
| CAS-No. | : 12069-69-1 |
| Formula | : $\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2$ |

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Pharmaceuticals

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Jost Chemical Co.
8150 Lackland Rd.
63114 Saint Louis, Missouri
T 314-428-4300 - F 314-428-4366
sds@jostchemical.com - www.jostchemical.com

Distributor

JOST CHEMICAL EUROPE SPRL
rue du Bois Portal n° 30/1-3
B - 5300 Andenne - BELGIQUE
T +32 85-552655 - F +32 85-552654
info@jostchemical.com

1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
United States and Canada: 1-800-424-9300 / +1 703-527-3887
Global: +1 703-741-5970

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

| | |
|---|------|
| Acute toxicity (oral), Category 4 | H302 |
| Hazardous to the aquatic environment — Acute Hazard, Category 1 | H400 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 1 | H410 |
| Full text of H statements : see section 16 | |

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Very toxic to aquatic life with long lasting effects. Not expected to be a fire/explosion hazard under normal conditions of use.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H302 - Harmful if swallowed.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
P330 - Rinse mouth.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards not contributing to the classification : None to our knowledge.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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according to Regulation (EC) No. 453/2010

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent

| Name | Product identifier | % |
|------------------------|--|-----|
| Basic Copper Carbonate | (CAS-No.) 12069-69-1 (EC-No.) 235-113-6 | 100 |

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. Call a poison center or a doctor if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service. Call a poison center or a doctor if you feel unwell. |
| First-aid measures after skin contact | : Rinse with water. Take victim to a doctor if irritation persists. Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth with water. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Rinse mouth. Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : AFTER INHALATION OF DUST: Dry/sore throat. Irritation of the respiratory tract. Respiratory difficulties. EXPOSURE TO HIGH CONCENTRATIONS: Metal fume fever. |
| Symptoms/effects after skin contact | : No effects known. |
| Symptoms/effects after eye contact | : Irritation of the eye tissue. Eye irritation. |
| Symptoms/effects after ingestion | : Gastrointestinal complaints. Vomiting. Abdominal pain. Diarrhoea. |
| Chronic symptoms | : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation. Change in the haemogramme/blood composition. Enlargement/affection of the liver. Decreased renal function. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Adapt extinguishing media to the environment for surrounding fires. Water spray. Dry powder. Foam. |
| Unsuitable extinguishing media | : No unsuitable extinguishing media known. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| Fire hazard | : DIRECT FIRE HAZARD: Non combustible. |
| Explosion hazard | : No data available on direct explosion hazard. No data available on indirect explosion hazard. |
| Hazardous decomposition products in case of fire | : Upon combustion CO and CO ₂ are formed and formation of metallic fumes. |

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Precautionary measures fire | : Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows. |
| Firefighting instructions | : Dilute toxic gases with water spray. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it. |
| Protection during firefighting | : Heat/fire exposure: compressed air/oxygen apparatus. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------------------|---|
| Protective equipment | : Gloves. Safety glasses. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. |
| Emergency procedures | : Ventilate spillage area. Mark the danger area. Prevent dust cloud formation, e.g. by wetting. No naked flames. Wash contaminated clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |
| Measures in case of dust release | : In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows. |

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Collect spillage. |
| Methods for cleaning up | : Mechanically recover the product. Stop dust cloud by covering with sand/earth. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|--|
| Precautions for safe handling | : Avoid raising dust. Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Do not discharge the waste into the drain. Clean contaminated clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | : Observe very strict hygiene - avoid contact. Keep container tightly closed. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------------|---|
| Technical measures | : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. |
| Storage conditions | : Store in a clean, dry warehouse in the original unopened containers. Store in a well-ventilated place. Keep cool. |
| Incompatible materials | : Strong acids. Oxidizing materials. |
| Heat and ignition sources | : KEEP SUBSTANCE AWAY FROM: heat sources. |
| Information on mixed storage | : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. water/moisture. |
| Storage area | : Store in a cool area. Store in a dry area. Store in a dark area. Keep out of direct sunlight. Meet the legal requirements. |
| Special rules on packaging | : SPECIAL REQUIREMENTS: closing. opaque. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Basic Copper Carbonate (12069-69-1) | |
|-------------------------------------|---------------|
| PNEC (Water) | |
| PNEC aqua (freshwater) | 7.8 µg/l |
| PNEC aqua (marine water) | 5.2 µg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 87 mg/kg dwt |
| PNEC sediment (marine water) | 676 mg/kg dwt |

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PNEC (Soil)

PNEC soil 65 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant 230 µg/l

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Dust production: dust mask with filter type P2. Gloves. Safety glasses.

Materials for protective clothing:

GIVE GOOD RESISTANCE: neoprene. rubber. PVC

Hand protection:

Gloves

Eye protection:

Safety glasses. In case of dust production: protective goggles. Safety glasses

Skin and body protection:

Protective clothing. In case of dust production: head/neck protection. In case of dust production: dustproof clothing

Respiratory protection:

Dust production: dust mask with filter type P3. [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | : Solid |
| Appearance | : Blue-Green/Dark Green. |
| Molecular mass | : 221.11 g/mol |
| Colour | : Green. |
| Odour | : Odourless. |
| Odour threshold | : No data available |
| pH | : 6.2 - 6.8 (20 °C) |
| pH solution | : 10 % Aqueous solution |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable (decomposes) |
| Freezing point | : Not applicable |
| Boiling point | : Not applicable (decomposes) |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : 206 °C (OECD 102: Melting Point/Melting Range) |
| Flammability (solid, gas) | : Non flammable Test method EU A.10 (Published data) Non flammable. |
| Vapour pressure | : < 0.01 hPa (20 °C) |
| Relative vapour density at 20 °C | : Not applicable |
| Relative density | : 3.76 (20 °C) |
| Density | : 3478 - 3483 kg/m ³ (21.4 °C) |

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| | |
|----------------------|---|
| Solubility | : Insoluble in water. Substance sinks in water. Water: 0.00047 g/100ml |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : Not explosive. |
| Oxidising properties | : Non oxidizing material according to EC criteria. |
| Explosive limits | : Not applicable |

9.2. Other information

| | |
|-------------|------------------------------|
| VOC content | : Not applicable (inorganic) |
|-------------|------------------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion CO and CO₂ are formed and formation of metallic fumes.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None to our knowledge.

10.5. Incompatible materials

Strong acids. Oxidizing materials.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|-------------------------------|
| Acute toxicity (oral) | : Oral: Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

Basic Copper Carbonate (12069-69-1)

| | |
|----------------------------|---|
| LD50 oral rat | 500 - 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value) |
| LC50 inhalation rat (mg/l) | 1.2 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value) |

| | |
|---|--|
| Causes serious eye damage. | : Not classified (Based on available data, the classification criteria are not met) pH: 6.2 - 6.8 (20 °C) |
| Additional information | : (OECD 404 method) (Published data) |
| Serious eye damage/irritation | : Not classified (Based on available data, the classification criteria are not met) pH: 6.2 - 6.8 (20 °C) |
| Additional information | : (OECD 405 method) (Published data) |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Additional information | : (OECD 406) (Published data) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Lack of data) |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified (Lack of data) |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : Not classified (Not applicable) |
| Potential adverse human health effects and symptoms | : Harmful if swallowed. Practically non-toxic in contact with skin (LD50 skin > 2000 mg/kg). Not irritant to skin. Harmful if inhaled. Causes serious eye irritation. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------|--|
| Ecology - general | : Dangerous for the environment. Very toxic to aquatic life with long lasting effects. |
|-------------------|--|

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| | |
|-------------------------------|--|
| Ecology - air | : Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). |
| Ecology - water | : Very toxic to fishes. Very toxic to invertebrates (Daphnia). |
| Dangerous for the environment | : Very toxic to aquatic life. |
| Chronic aquatic toxicity | : Very toxic to aquatic life with long lasting effects. |

| Basic Copper Carbonate (12069-69-1) | |
|-------------------------------------|--|
| LC50 fish 1 | 810 µg/l (LC50; Other; 96 h; Cyprinus carpio; Fresh water) |
| EC50 Daphnia 1 | 33.8 - 792 µg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |
| Threshold limit algae 1 | 5.7 µg/l (NOEC; ISO 10253; 72 h; Phaeodactylum; Static system; Salt water; Experimental value) |
| Threshold limit algae 2 | 30 µg/l (NOEC; Other; 7 days; Lemna minor; Static system; Fresh water; Experimental value) |

12.2. Persistence and degradability

| Basic Copper Carbonate (12069-69-1) | |
|-------------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

12.3. Bioaccumulative potential

| Basic Copper Carbonate (12069-69-1) | |
|-------------------------------------|-------------------------|
| Bioaccumulative potential | No test data available. |

12.4. Mobility in soil

| Basic Copper Carbonate (12069-69-1) | |
|-------------------------------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |

12.5. Results of PBT and vPvB assessment

| Component | |
|-------------------------------------|---|
| Basic Copper Carbonate (12069-69-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Regional legislation (waste) | : LWCA (the Netherlands): KGA category 05. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle/reuse. Remove to an authorized dump (Class I). Precipitate/make insoluble. |
| Additional information | : Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. |

SECTION 14: Transport information





In accordance with ADR / ADN / IATA / IMDG

| ADR | IMDG | IATA | ADN |
|--|--|--|--|
| 14.1. UN number | | | |
| 3077 | 3077 | 3077 | 3077 |
| 14.2. UN proper shipping name | | | |
| Environmentally hazardous substance, solid, n.o.s. | Environmentally hazardous substance, solid, n.o.s. | Environmentally hazardous substance, solid, n.o.s. | Environmentally hazardous substance, solid, n.o.s. |

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| Transport document description | | | |
|--|---|---|---|
| UN 3077 Environmentally hazardous substance, solid, n.o.s. (Copper Carbonate), 9, III, (-) | UN 3077 Environmentally hazardous substance, solid, n.o.s. (Copper Carbonate), 9, III, MARINE POLLUTANT | UN 3077 Environmentally hazardous substance, solid, n.o.s. (Copper Carbonate), 9, III | UN 3077 Environmentally hazardous substance, solid, n.o.s. (Copper Carbonate), 9, III |
| 14.3. Transport hazard class(es) | | | |
| 9 | 9 | 9 | 9 |
|  |  |  |  |
| 14.4. Packing group | | | |
| III | III | III | III |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment : Yes | Dangerous for the environment : Yes Marine pollutant : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes |
| No supplementary information available | | | |

14.6. Special precautions for user

Overland transport

| | |
|---|---|
| Transport regulations (ADR) | : Subject |
| Classification code (ADR) | : M7 |
| Special provisions (ADR) | : 274, 335, 601 |
| Limited quantities (ADR) | : 5kg |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P002, IBC08, LP02, R001 |
| Special packing provisions (ADR) | : PP12, B3 |
| Mixed packing provisions (ADR) | : MP10 |
| Portable tank and bulk container instructions (ADR) | : T1, BK1, BK2 |
| Portable tank and bulk container special provisions (ADR) | : TP33 |
| Tank code (ADR) | : SGAV, LGBV |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V13 |
| Special provisions for carriage - Bulk (ADR) | : VV1 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13 |
| Hazard identification number (Kemler No.) | : 90 |
| Orange plates | :  |

Tunnel restriction code (ADR) : -

Transport by sea

| | |
|-----------------------------------|----------------------|
| Transport regulations (IMDG) | : Subject |
| Special provisions (IMDG) | : 274, 335, 966, 967 |
| Limited quantities (IMDG) | : 5 kg |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : P002, LP02 |
| Special packing provisions (IMDG) | : PP12 |
| IBC packing instructions (IMDG) | : IBC08 |
| IBC special provisions (IMDG) | : B3 |
| Tank instructions (IMDG) | : T1, BK1, BK2, BK3 |
| Tank special provisions (IMDG) | : TP33 |

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EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

Air transport

Transport regulations (IATA) : Subject to the provisions
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y956
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
Special provisions (IATA) : A97, A158, A179, A197
ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M7
Carriage permitted (ADN) : T* B**

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
Basic Copper Carbonate is not on the REACH Candidate List
Basic Copper Carbonate is not on the REACH Annex XIV List

VOC content : Not applicable (inorganic)
Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

This sheet was updated (refer to the date at the top of this page).

Full text of H- and EUH-statements:

| | |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| H302 | Harmful if swallowed. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product