# BM24 All Colours Safety Data Sheet

Safety Data Sheet according to REACH Regulation (EC) No. 1907/2006, as amended by UK REACH Regulations SI 2019/758
First Issue
Print date 28/02/24


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

**1.1 Product identifier**

**Commercial product name:** BUILDMASTER BM24 ALL COLOURS

This substance/ mixture contains nanoforms

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

Use of substance / preparation:
Industrial. Commercial.
Sealants

**1.3 Details of the supplier of the safety data sheet**

Manufacturer/distributor: BUILDMASTERUK LIMITED
Street/POB-No.: Unit 2, The Old Colliery Yard, Main Road, Morton, Alfreton,
State/postal code/city: Derbyshire DE55 6HL
Telephone: Tel: +44 1773 475405

Contact point:
Street/POB-No.:
Postal code/city:
Country:
Telephone:

Information about the Safety Data Sheet: Email: sales@buildmasteruk.com

**1.4 Emergency telephone number** Tel: +44 1773 475405

Emergency Information:

## SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture**

Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567):

Not a hazardous substance or mixture.

**2.2 Label elements**

Labelling (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567):

No labeling according to GHS required.

| Code | Additional Labelling |
|---|---|
| EUH210 | Safety data sheet available on request. |
| EUH208 | Contains 3-(2-aminoethylamino)propyl trimethoxysilane, trimethoxyvinylsilane. May produce an allergic reaction. |

**2.3 Other hazards**

The product hydrolyses under formation of methanol (CAS-Nr. 67-56-1). Methanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions. The product hydrolyses under formation of ethanol (CAS-Nr. 64-17-5). Ethanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.
Endocrine disrupting properties - human health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Endocrine disrupting properties - environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

### 3.2.1 Chemical characteristics

Polydimethylsiloxane and filler and auxiliary products and alkoxysilane cross-linker

### 3.2.2 Hazardous ingredients

| trimethoxyvinylsilane | | | >1 – <2 % |
|---|---|---|---|
| CAS-No.: 2768-02-7 | EC-No.: 220-449-8 | Index-No.: 014-049-00-0 | |
| INHA [1] | REACH No.: 01-2119513215-52 | | |
| Classification according to Regulation (EC) No. 1272/2008* | Acute Tox. 4, by inhalation / vapour / H332; Flam. Liq. 3 / H226; Skin Sens. 1B / H317 | | |

| 3-(2-Aminoethylamino)propyl trimethoxysilane | | | >=0,1 – <1 % |
|---|---|---|---|
| CAS-No.: 1760-24-3 | EC-No.: 217-164-6 | | |
| INHA [1] | REACH No.: 01-2119970215-39 | | |
| Classification according to Regulation (EC) No. 1272/2008* | Eye Dam. 1 / H318; Skin Sens. 1B / H317; STOT SE 3 / H335 | | |

| titanium dioxide | | | >=0,1 – <0,3 % |
|---|---|---|---|
| CAS-No.: 1317-80-2 | EC-No.: 215-282-2 | Index-No.: 022-006-00-2 | |
| INHA [1] | REACH No.: 01-2119489379-17 | | |
| Classification according to Regulation (EC) No. 1272/2008* | Carc. 2, by inhalation / H351 | | |

Type: INHA: ingredient, VERU: impurity

REACH registered substances may be included as impurities. These do not necessarily require identified uses and exposure scenarios in the safety data sheet.

[1] = Hazardous or environmentally harmful substance; [2] = substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance; [5] = Endocrine disrupting properties

*Classification codes are explained in section 16.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above ≥ 0.1%.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:**
Take persons to a safe place. Observe self-protection for first aid.

**After contact with the eyes:**
Rinse immediately with plenty of water for 10-15 minutes. Seek medical advice in case of continuous irritation.

**After contact with the skin:**
Wipe off excess material with cloth or paper. Remove contaminated or soaked clothing. Immediately rinse with plenty of soap and water. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

**After inhalation:**
Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. In cases of sickness seek medical advice (show label or SDS if possible).

**After swallowing:**
If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice immediately and clearly identify substance.

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

Any relevant information can be found in other parts of this section.

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

Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure. Further toxicology information in section 11 must be observed.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media:**
alcohol-resistant foam , carbon dioxide , water mist , sprinkler system , sand , extinguishing powder .

**Extinguishing media which must not be used for safety reasons:**
water jet .

**5.2 Special hazards arising from the substance or mixture**

Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes .

**5.3 Advice for firefighters**

**Special protective equipment for fire fighting:**
Use respiratory protection independent of recirculated air. Keep unprotected persons away.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material.

**6.2 Environmental precautions**

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

**6.3 Methods and material for containment and cleaning up**

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

**Further information:**
Exhaust vapours. Eliminate all sources of ignition. Consider explosion protection. Observe notes under section 7.

**6.4 Reference to other sections**

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Precautions for safe handling:**
Ensure adequate ventilation. Must be syphoned off in situ. Keep away from incompatible substances in accordance with section 10. Observe information in section 8.

**Precautions against fire and explosion:**
Product can separate ethanol and methanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

### 7.2 Conditions for safe storage, including any incompatibilities

**Conditions for storage rooms and vessels:**
Observe local/state/federal regulations.

**Advice for storage of incompatible materials:**
Observe local/state/federal regulations.

**Further information for storage:**
Store in a dry and cool place. Protect against moisture. Store container in a well ventilated place.

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Maximum airborne concentrations at the workplace:**

| Substance | Type | mg/m³ | ppm | Dust fract. | Fibre/m³ |
|---|---|---|---|---|---|
| Ethanol | OEL | 1920,0 | 1000,0 | | |
| Methanol | OEL | 266,0 | 200,0 | | |
| Methanol | EU | 260,0 | 200,0 | | |

-

**Derived No-Effect Level (DNEL):**

**trimethoxyvinylsilane**

| Area of use: | Value: |
|---|---|
| Worker; by inhalation; systemic (long term) | 27,6 mg/m³ |
| Worker; dermal; systemic | 3,9 mg/kg bw/day |
| Consumer; by inhalation; systemic (long term) | 6,7 mg/m³ |
| Consumer; dermal; systemic (long term) | 7,8 mg/kg bw/day |
| Consumer; oral; systemic (long term) | 0,3 mg/kg bw/day |
| Consumer; by inhalation; systemic (long term, infrequent) | 18,9 mg/m³ |

**Predicted No Effect Concentration (PNEC):**

**trimethoxyvinylsilane**

| Area of use: | Value: |
|---|---|
| freshwater | 0,4 mg/l<br>The value was derived for the corresponding silanetriol (hydrolysis product). |
| Intermittent release | 2,4 mg/l<br>The value was derived for the corresponding silanetriol (hydrolysis product). |
| marine water | 0,04 mg/l<br>The value was derived for the corresponding silanetriol (hydrolysis product). |
| Sediment (freshwater) | 1,5 mg/kg dry mass<br>The value was derived for the corresponding silanetriol (hydrolysis product). |

| | |
|---|---|
| Sediment (marine water) | 0,15 mg/kg dry mass<br>The value was derived for the corresponding silanetriol (hydrolysis product). |
| sewage treatment plant | 6,6 mg/l<br>The value was derived for the corresponding silanetriol (hydrolysis product). |
| Soil | 0,06 mg/l<br>The value was derived for the corresponding silanetriol (hydrolysis product). |

**8.2 Exposure controls**

**8.2.1 Exposure in the work place limited and controlled**

**General protection and hygiene measures:**
Observe standard industrial hygiene practices for the handling of chemical substances. Do not inhale gases/vapours/aerosols. Use with adequate ventilation. Avoid contact with eyes and skin. Preventive skin protection recommended. Remove contaminated, soaked clothing immediately. Clean work areas regularly. Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling. Keep away from foodstuff, drink and feedingstuff.

**Further information for system design and engineering measures**

Observe information in section 7. Observe national regulatory requirements.

**Personal protection equipment:**

**Respiratory protection**

If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136. Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapors; ammonia/amines), according to acknowledged standards such as EN 14387

Observe the equipment manufacturer's information and wear time limits for respirators.

**Eye protection**

protective goggles, according to acknowledged standards such as EN 166.

**Hand protection**

Protective gloves are required at all times when handling the material, according to recognized standards such as EN374.

Recommended glove types: Protective gloves made of butyl rubber
thickness of the material: > 0,3 mm
Breakthrough time: > 480 min

Recommended glove types: Protective gloves made of nitrile rubber
thickness of the material: > 0,4 mm
Breakthrough time: 10 - 30 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

**Skin protection**

protective clothing, according to acknowledged standards such as EN 13034.

**8.2.2 Exposure to the environment limited and controlled**

Prevent material from entering surface waters, drains or sewers and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| Property: | Value: | Method: |
|---|---|---|
| Physical state | liquid | |
| Form | paste | |
| Colour | grey | |
| Odour | alcoholically | |
| Odour Threshold | no data available | |
| Melting point | not applicable | |
| Boiling point/boiling range | not applicable | |
| Lower explosion limit | exempt | |
| Upper explosion limit | no data available | |
| Flash point | exempt (Flashpoint testing is not applicable to solids, pastes, and extremely high viscosity liquids. ) | |
| Ignition temperature | > 400 °C | (DIN 51794) |
| Thermal decomposition | 300 °C | (Lit.) |
| pH | Not applicable. Insoluble in water. | |
| Viscosity, kinematic | not applicable | |
| Viscosity, dynamic | exempt | |
| Water solubility | insoluble | |
| Partition coefficient: n-octanol/water | not applicable | |
| Vapour pressure | not applicable | |
| Density | 1,4 g/cm³ (23 °C; 1013 hPa) | (ISO 1183-1 A) |
| Relative vapour density | no data available | |
| Particle Size Distribution | Not applicable. | |

### 9.2 Other information

Hydrolysis products reduce the flash point. Explosion limits for released methanol: 5.5 - 44%(V). Explosion limits for released ethanol: 3.5 - 15%(V).

| Property: | Value: | Method: |
|---|---|---|
| Evaporation rate | not applicable | |
| Molecular weight | not applicable | |

## SECTION 10: Stability and reactivity

### 10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

### 10.4 Conditions to avoid

Moisture, heat, open flames, and other sources of ignition.

### 10.5 Incompatible materials

Reacts with water, basic substances and acids. The reaction takes place with the formation of ethanol and methanol.

### 10.6 Hazardous decomposition products

Ethanol and methanol by hydrolysis. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### 11.1.1 General information

Data derived for the product as a whole are of higher priority than data for single ingredients.

#### 11.1.2 Acute toxicity

**Product details:**

| Exposure routes | Result/Effect |
|---|---|
| Oral | LD50 > 2000 mg/kg<br>Species: Rat, Source: Conclusion by analogy |
| dermal | LD50 > 2000 mg/kg<br>Species: Rat, Source: Conclusion by analogy |

#### 11.1.3 Skin corrosion/irritation

**Product details:**

| |
|---|
| No skin irritation<br>(Species: Rabbit, Source: Conclusion by analogy) |

#### 11.1.4 Serious eye damage/eye irritation

**Product details:**

| |
|---|
| No eye irritation<br>(Species: Rabbit, Source: Conclusion by analogy) |

#### 11.1.5 Respiratory or skin sensitisation

**Product details:**

| Exposure routes | Result |
|---|---|
| Skin contact | Does not cause skin sensitisation.<br>(Species: Mouse, Test system: Local lymph node assay (LLNA), Method: OECD 429, Source: Conclusion by analogy) |
| Inhalation | No data available. |

#### 11.1.6 Germ cell mutagenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.7 Carcinogenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.8 Reproductive toxicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.9 Specific target organ toxicity - single exposure

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.10 Specific target organ toxicity - repeated exposure

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.11 Aspiration hazard

**Assessment:**

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 11.2.2 Further toxicological information

None known.

**Data on substances:**

**Product of hydrolysis (Methanol):**

Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

**Product of hydrolysis (Ethanol):**

Ethanol (64-17-5) is readily absorbed at all exposure routes. Ethanol may cause irritation of eyes and mucosa, trigger dysfunction of the central nervous system and cause nausea as well as dizziness. Chronic exposure to high amounts of ethanol may cause damage to liver and central nervous system.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Assessment:**

Evaluation on basis of physical-chemical properties: No expected damaging effects to aquatic organisms.

### 12.2 Persistence and degradability

**Assessment:**

Polymer component: biologically not degradable. Elimination by adsorption to activated sludge.

**Data on substances:**

**Product of hydrolysis (Methanol):**

Methanol is readily biodegradable.

**Product of hydrolysis (Ethanol):**

Ethanol is readily biodegradable.

### 12.3 Bioaccumulative potential

**Assessment:**

Polymer component: No adverse effects expected.

### 12.4 Mobility in soil

**Assessment:**

Polymer component: insoluble in water.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

none known

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**13.1.1 Material**

Recommendation:
Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

**13.1.2 Uncleaned packaging**

Recommendation:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

**13.1.3 Waste Disposal Legislation Ref.No.(EC)**

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

## SECTION 14: Transport information

**14.1** UN number or ID number

ADR .....: Not applicable
RID .....: Not applicable
IMDG .....: Not applicable
ICAO/IATA .....: Not applicable

**14.2** Proper shipping name

ADR .....: Not applicable
RID .....: Not applicable
IMDG .....: Not applicable
ICAO/IATA .....: Not applicable

**14.3** Transport hazard class

ADR .....: Not applicable
RID .....: Not applicable
IMDG .....: Not applicable
ICAO/IATA .....: Not applicable

**14.4** Packing group

ADR .....: Not applicable
RID .....: Not applicable
IMDG .....: Not applicable
ICAO/IATA .....: Not applicable

**14.5 Environmental hazards**

Environmentally hazardous: no

**14.6 Special precautions for user**

Relevant information in other sections has to be considered.

**14.7 Maritime transport in bulk according to IMO instruments**

Bulk transport in tankers is not intended.

## SECTION 15: Regulatory information

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

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

**Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):**

Not applicable

**Relevant regulations:**
SI 2002/1689: CHIP Regulations 2002
SI 2002/2677: COSHH Regulations 2002
SI 1999/3242: Management of Health & Safety at Work Regulations 1999
Health & Safety at Work Act 1974
SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.
Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

**Other specifications, restrictions and prohibitions:**

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX I. RESTRICTED EXPLOSIVES PRECURSORS: Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX II. REPORTABLE EXPLOSIVES PRECURSORS: Not applicable

**Details of international registration status**

Relevant information about individual substance inventories, where available, is given below.

| | |
|---|---|
| Japan ..... : | **ENCS** (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory. |
| Australia ..... : | **AIIC** (Australian Inventory of Industrial Chemicals): This product is listed in, or complies with, the substance inventory. |
| Philippines..... : | **PICCS** (Philippine Inventory of Chemicals and Chemical Substances): This product is not listed or in compliance with the substance inventory. |
| United States of America (USA)..... : | **TSCA** (Toxic Substance Control Act Chemical Substance Inventory): All components of this product are listed as active or are in compliance with the substance inventory. |
| Taiwan ..... : | **TCSI** (Taiwan Chemical Substance Inventory): This product is not listed or in compliance with the substance inventory. |
| European Economic Area (EEA)..... : | **REACH** (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter. |
| South Korea (Republic of Korea) ..... : | **AREC** (Act on Registration and Evaluation of Chemicals; “K-REACH”): Please approach your regular contact for more detailed information. |

**15.2 Chemical safety assessment**

Due to the results of the chemical safety assessment, exposure scenarios and identified uses are not of relevance for this safety data sheet.

## SECTION 16: Other information

### 16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

### 16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ABEK - Multi-Range Filter A, B, E, K; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; APF - Assigned Protection Factor; CAS No. - Chemical Abstracts Service Registry Number; DFG - German Research Foundation; DIN - German institute for standardization; DOC - Dissolved Organic Carbon; d/w - days per week; EC / CE / EG - European Community; EC50 / CE50 - Median effective concentration; ECHA - European Chemicals Agency; ED - endocrine disruptor; EG-RL - test method according to Regulation 440/2008; EN - European Standard; ERC - Environmental Release Category; g/cm³ - gram per cubic centimeter; h - hour(s); H-Code - hazard statement code(s); hPa - Hectopascal; IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulations;IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;IC50 / CI50 - half maximal inhibitory concentration;IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IMDG Code - International Maritime Dangerous Goods Code; ISO - International Organization for Standardization; LC50 / CL50 - medium lethal concentration; LD50 / DL50 - medium lethal dose; LOAEC - Lowest Observed Adverse Effect Concentration; LOAEL - Lowest Observed Adverse Effect Level; MARPOL - International Convention for the Prevention of Marine Pollution from Ships; mg/g - milligrams per gram; mg/kg - milligrams per kilogram; mg/l - milligrams per liter; mg/m³ - milligrams per cubic meter; min - minutes; mJ - millijoule; mm - millimeter; mm²/s - square millimeter per second; mPa.s - Millipascal second(s); MSDS / SDB / SDS - safety data sheet; No Observed Adverse Effect Concentration; NOAEL - No Observed adverse effect level; NOEC - No Observed Effect Concentration; NOEL - No Observed Effect Level; OECD - Organization for Economic Cooperation and Development; PBT - persistent, bioaccumulative, toxic; PC - product category; P-Code - precautionary statement code(s); ppm - parts per million; PROC - process category; RCP - reciprocal calculation-based procedure; RID - convention concerning international carriage by rail; SU - sector of use; SVHC - substance of very high concern; Vol% - volume percent; UN No. - United Nations Dangerous Goods Number; vPvB - very Persistent, very Bioaccumulative

Explanation of the GHS classification code:

| | |
|---|---|
| Acute Tox. 4; H332.... : | Acute toxicity Category 4; Harmful if inhaled. |
| Flam. Liq. 3; H226 ..... : | Flammable liquids Category 3; Flammable liquid and vapour. |
| Skin Sens. 1B; H317 . : | Skin sensitisation Category 1B; May cause an allergic skin reaction. |
| Eye Dam. 1; H318 ..... : | Serious eye damage/eye irritation Category 1; Causes serious eye damage. |
| Skin Sens. 1B; H317 . : | Skin sensitisation Category 1B; May cause an allergic skin reaction. |
| STOT SE 3; H335..... : | Specific target organ toxicity - single exposure Category 3; May cause respiratory irritation. |
| Carc. 2; H351 ..... : | Carcinogenicity Category 2; Suspected of causing cancer if inhaled. |

**- End of Safety Data Sheet -**