

**Safety Data Sheet according to
Regulation (EC) 'No. 2020/878****Construction
Products Group
Europe****SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**

| | | | | |
|-----|--|--|-------------------------|------------|
| 1.1 | Product Identifier | FLOWBIND LS PART B | Revision Date: | 08/08/2023 |
| | Product Name: | Flowbind LS Part B | Supersedes Date: | 07/09/2020 |
| | | | Version Number: | 1 |
| | UFI Code: | FUT1-008T-Q009-R106 | | |
| | Nanoform: | No | | |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | Manual activities involving hand contact. Widespread use leading to inclusion into/ onto article (indoor). For use by appropriately trained applicators. Roller application or brushing. Low energy spreading of coatings. Advised against: Home DIY applications, because of the health hazards and training required. Component of multicomponent coatings - Industrial and professional use. Advised against: others than recommended | | |
| 1.3 | Details of the supplier of the safety data sheet | | | |
| | Manufacturer: | Tremco CPG Poland Sp. z o. o. Ul. Marywilska 34 03-228 Warszawa Polska Tel: +48 22 879 8907 Fax: +48 22 879 8918 ehs.uk@flowcrete.com www.flowcrete.com.pl/ | | |
| | Datasheet Produced by: | ehs.uk@flowcrete.com | | |
| 1.4 | Emergency telephone number: | CHEMTREC +1 703 5273887 (Outside US) | | |

SECTION 2: Hazards Identification**2.1 Classification of the substance or mixture**

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

Skin Sensitizer, category 1
 Acute Toxicity, Inhalation, category 4
 STOT, single exposure, category 3, RTI

H317
 H332
 H335

2.2 Label elements**Symbol(s) of Product****Signal Word**

Warning

Named Chemicals on Label

Hexamethylene diisocyanate, oligomers, Hexamethylene diisocyanate oligomerisation product, (uretdione type),
 CYCLOHEXANE,5-ISOCYANATO-1-(IS

HAZARD STATEMENTS

Other EU extensions
 Skin Sensitizer, category 1
 Acute Toxicity, Inhalation, category 4
 STOT, single exposure, category 3, RTI

EUH204
 H317
 H332
 H335

Contains isocyanates. May produce an allergic reaction.
 May cause an allergic skin reaction.
 Harmful if inhaled.
 May cause respiratory irritation.

PRECAUTION PHRASES

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243

Take precautionary measures against static discharge.

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+352

IF ON SKIN: Wash with plenty of soap and water.

P304+340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333+313

If skin irritation or rash occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

P342+P311

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P501

Dispose of contents/container to waste treatment/disposal facility in accordance with local, state, and federal regulations.

ADDITIONAL INFORMATION

As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

Endocrine disrupting properties - Toxicity

Name According to EEC

CAS-No.

No Information

Endocrine disrupting properties - Ecotoxicity

Name According to EEC

CAS-No.

No Information

SECTION 3: Composition/Information On Ingredients**3.1 Substances**

Not applicable

3.2 Mixtures**Hazardous ingredients**

| <u>Name According to EEC</u> <u>EINEC No.</u> <u>CAS-No.</u> <u>REACH Reg No.</u> | <u>%</u> | <u>Classifications</u> | SCL Value: | ATE Value: | M-Factor: |
|---|----------|--|------------|------------|-----------|
| Hexamethylene diisocyanate oligomerisation product, (uretdione type) 500-060-2 28182-81-2 01-2119488177-26 | 25 - <50 | H317 Skin Sens. 1 | SCL Value: | - | |
| | | | ATE Value: | - | |
| | | | M-Factor: | - | |
| Hexamethylene diisocyanate, oligomers 500-060-2 28182-81-2 01-2119488177-26 | 25 - <50 | H317-332-335 Acute Tox. 4 Inhalation, Skin Sens. 1, STOT SE 3 RTI | SCL Value: | - | |
| | | | ATE Value: | - | |
| | | | M-Factor: | - | |
| CYCLOHEXANE,5-ISOCYANATO-1-(IS 500-125-5 53880-05-0 No Information | 25 - <50 | H317-335 Skin Sens. 1, STOT SE 3 RTI | SCL Value: | - | |
| | | | ATE Value: | - | |
| | | | M-Factor: | - | |

Additional Information: The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes.

AFTER INHALATION: Move to fresh air. Consult a physician after significant exposure. Remove person to fresh air. If signs/symptoms continue, get medical attention.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Do NOT use solvents or thinners.

AFTER EYE CONTACT: Consult a physician. Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

May cause damage to organs through prolonged or repeated exposure. Harmful by inhalation. Irritating to respiratory system. Irritating to eyes and skin. May cause sensitization by inhalation and skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical

FOR SAFETY REASONS NOT TO BE USED: Do not use a solid water stream as it may scatter and spread fire. Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide, nitrogen oxide, cyanides, isocyanate vapours.

5.3 Advice for firefighters

Keep containers and surroundings cool with water spray. Fire will produce dense black smoke containing hazardous combustion products (see section 10). In the event of fire, wear self-contained breathing apparatus. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Avoid contact with skin, eyes and clothing. For personal protection see section 8.2. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak.

6.1.2 For emergency responders

See Section 7, 8 and 10 for further information.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Discharge into the environment must be avoided. May cause long-term adverse effects in the aquatic environment.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Refer to protective measures listed in sections 7 and 8. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used. Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Protect from frost, heat and sunlight. Apply technical measures to comply with the occupational exposure limits (see section 8).

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Avoid contact with the skin and the eyes.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Avoid temperatures above 30 °C, direct sunlight and contact with sources of heat. Heat, flames and sparks. Avoid moisture. Do not freeze.

STORAGE CONDITIONS: Keep at temperatures between 5 and 25 °C. Do not freeze. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up or in an area accessible only to qualified or authorised persons. Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

Component of multicomponent coatings. The mixing and application to be in accordance with the technical data sheets.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (UK WELS)

| <u>Name</u> | <u>CAS-No.</u> | <u>LTEL ppm</u> | <u>STEL ppm</u> | <u>STEL mg/m3</u> | <u>LTEL mg/m3</u> |
|--|----------------|-----------------|-----------------|-------------------|-------------------|
| Hexamethylene diisocyanate oligomerisation product, (uretdione type) | 28182-81-2 | | | | 0.02 |
| Hexamethylene diisocyanate, oligomers | 28182-81-2 | | | | 0.02 |
| CYCLOHEXANE,5-ISOCYANATO-1-(IS | 53880-05-0 | | | | 0.02 |

| <u>Name</u> | <u>CAS-No.</u> | <u>OEL Note</u> |
|--|----------------|-----------------|
| Hexamethylene diisocyanate oligomerisation product, (uretdione type) | 28182-81-2 | |
| Hexamethylene diisocyanate, oligomers | 28182-81-2 | |
| CYCLOHEXANE,5-ISOCYANATO-1-(IS | 53880-05-0 | |

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

Chemical Name:**EC No.:****CAS-No.:****DNELs - Derived no effect level**

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | |
| Inhalation | | | | | | | | |
| Dermal | | | | | | | | |

PNEC's - Predicted no effect concentration

| Environmental protection target | PNEC |
|------------------------------------|------|
| Fresh water | |
| Fresh water sediments | |
| Marine water | |
| Marine sediments | |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | |
| Air | |

8.2 Exposure controls**Personal Protection**

RESPIRATORY PROTECTION: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of insufficient ventilation wear suitable respiratory equipment. Wear a positive-pressure supplied-air respirator. Respirator with filter for organic vapor.

EYE PROTECTION: Eye wash bottle with pure water. Safety glasses. If splashes are likely to occur, wear: Face-shield, tightly fitting safety goggles (EN 166).

HAND PROTECTION: Isocyanates can harden gloves and increase the risk of their splitting. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Protective gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Long sleeved clothing. Remove and wash contaminated clothing before re-use. Wear rubber gloves. Protective gloves complying with EN 374: Viton®, Neoprene, Nitrile rubber, Butyl rubber.

OTHER PROTECTIVE EQUIPMENT: Ensure that eyewash stations and safety showers are close to the workstation location.

ENGINEERING CONTROLS: At temperatures below 30°C, provide a good standard of general ventilation. At temperatures over 30°C - and always if sprayed - exhaust ventilation is required. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

| | |
|--|------------------------------------|
| Colour: | Yellowish |
| Physical State | Liquid |
| Odor | Characteristic |
| Odor threshold | Not determined |
| pH | Not determined |
| Melting point / freezing point (°C) | Not determined |
| Boiling point or initial boiling point and boiling range (°C) | 255 - N.D. |
| Flash Point, (°C) | 181 |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | Not determined |
| Lower and upper explosive limit | Not determined |
| Vapour Pressure | Not determined |
| Relative vapour density | ca. 1.15 g/cm ³ at 20°C |

| | |
|--|---------------------------|
| Density and/or relative density | Not determined |
| Solubility in / Miscibility with water | Not determined |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature (°C) | ca. 430 °C |
| Decomposition temperature (°C) | Not determined |
| Kinematic viscosity | ca. 3,525 mPa.s. at 20°C |
| Particle characteristics | Not applicable to liquids |

9.2 Other information

| | |
|---------------------------------------|-------------|
| VOC Content g/l: | < 500 (A+B) |
| Specific Gravity (g/cm ³) | 0.120 |

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Amines and alcohols cause exothermic reactions. Preparation reacts slowly with water resulting in evolution of CO₂.

10.4 Conditions to avoid

Avoid temperatures above 30 °C, direct sunlight and contact with sources of heat. Heat, flames and sparks. Avoid moisture. Do not freeze.

10.5 Incompatible materials

Keep away from oxidising agents, strongly acid or alkaline materials, as well as of amines, alcohols and water.

10.6 Hazardous decomposition products

In case of fire **hazardous decomposition products** may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Preparation reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

SECTION 11: Toxicological information

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

Acute Toxicity:

| | |
|------------------|---------------------------|
| Oral LD50: | No information available. |
| Inhalation LC50: | No information available. |
| Dermal LD50: | No Information |

Irritation: No information available.

Corrosivity: No information available.

Sensitization: May cause an allergic skin reaction.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

| | |
|-----------------------------------|-----------------------------------|
| Toxicity for reproduction: | No information available. |
| STOT-single exposure: | May cause respiratory irritation. |
| STOT-repeated exposure: | No information available. |
| Aspiration hazard: | No information available. |

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.
Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> | <u>Gas LC50</u> | <u>Dust/Mist LC50</u> |
|----------------|--|--------------------|--------------------|-------------------|-----------------|-----------------------|
| 28182-81-2 | Hexamethylene diisocyanate oligomerisation product, (uretdione type) | > 5665 mg/kg (rat) | > 2000 mg/kg (rat) | | 0.000 | 0.000 |
| 28182-81-2 | Hexamethylene diisocyanate, oligomers | > 5665 mg/kg (rat) | | | 0.000 | 0.000 |

Additional Information:

In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Isocyanates may cause acute irritation and/or sensitisation of the respiratory system leading to tightness of the chest, wheeziness and an asthmatic condition. This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

11.2 Information on other hazards

Endocrine disrupting properties - Toxicity

| Name According to EEC | CAS-No. |
|-----------------------|---------|
| No Information | |

SECTION 12: Ecological Information

12.1 Toxicity:

| | |
|----------------------|----------------|
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae): | No information |
| LC50 96hr (fish): | No information |

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment: The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Ecotoxicity

| Name According to EEC | CAS-No. |
|-----------------------|---------|
| No Information | |

12.7 Other adverse effects: No information

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|--|------------------|------------------|--------------------------|
| 28182-81-2 | Hexamethylene diisocyanate oligomerisation product, (uretdione type) | No information | No information | > 100 mg/L (danio rerio) |
| 28182-81-2 | Hexamethylene diisocyanate, oligomers | No information | No information | > 100 mg/L (danio rerio) |
| 53880-05-0 | CYCLOHEXANE,5-ISOCYANATO-1-(IS | No information | No information | |

SECTION 13: Disposal Considerations

- 13.1 WASTE TREATMENT METHODS:** Dispose of waste material at an approved hazardous waste treatment/disposal facility in accordance with applicable local state, and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems. Contaminated packaging to be disposed of as product. If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. 080501 - waste isocyanatesThe product should not be allowed to enter drains, water courses or the soil.

European Waste Code: 080501
Packaging Waste Code: 150110

SECTION 14: Transport Information

| | ADR/RID | ADN | IMDG | IATA |
|--|---|---|---|---|
| 14.1 UN-number or ID number | No Information | No Information | No Information | No Information |
| 14.2 UN proper shipping name | Not regulated for transport according to ADR/RID, IMDG, and IATA regulations. | Not regulated for transport according to ADR/RID, IMDG, and IATA regulations. | Not regulated for transport according to ADR/RID, IMDG, and IATA regulations. | Not regulated for transport according to ADR/RID, IMDG, and IATA regulations. |
| 14.3 Transport Hazard Class(es) | No Information | No Information | No Information | No Information |
| 14.4 Packing Group | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5 Enviromental Hazards | No Information | No Information | No Information | No Information |

14.6 Special precautions for user Not applicable

EmS-No.: Not applicable

14.7 Maritime transport in bulk according to IMO intruments Not applicable

SECTION 15: Regulatory Information

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

National Regulations:

Denmark Product Registration Number: Not available

Danish MAL Code: Not available

Danish MAL Code - Mixture: Not available

Sweden Product Registration Number: Not available

Norway Product Registration Number: 314417

Germany WGK Class: Not available

Directive 2004/42/CE : < 500 (A+B)

Covered by Directive 2012/18/EC (Seveso III): Not applicable

Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006:

Not applicable

Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:

CAS-No. Name According to EEC

Not Applicable

SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):

CAS-No. Name According to EEC

Not Applicable

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

| | |
|------|--------------------------------------|
| H317 | May cause an allergic skin reaction. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |

Reasons for revision

Revision Description Changed

Composition Information Changed

Substance Chemical Name Changed

Substance and/or Product Properties Changed in Section(s):

01 - Identification

02 - Hazard Identification

03 - Composition/Information On Ingredients

08 - Exposure Controls/Personal Protection

09 - Physical and Chemical Properties

11 - Toxicological Information

14 - Transportation Information

15 - Regulatory Information

Revision Statement(s) Changed

This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

Acronym & Abbreviation Key:

CLP Classification, Labeling & Packaging Regulation

| | |
|----------|--|
| EC | European Commission |
| EU | European Union |
| US | United States |
| CAS | Chemical Abstract Service |
| EINECS | European Inventory of Existing Chemical Substances |
| REACH | Registration, Evaluation, Authorization of Chemicals Regulation |
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals |
| LTEL | Long term exposure limit |
| STEL | Short term exposure limit |
| OEL | Occupational exposure limit |
| ppm | Parts per million |
| mg/m3 | Milligrams per cubic meter |
| TLV | Threshold Limit Value |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| OSHA | Occupational Safety & Health Administration |
| PEL | Permissible Exposure Limits |
| VOC | Volatile organic compounds |
| g/l | Grams per liter |
| mg/kg | Milligrams per kilogram |
| N/A | Not applicable |
| LD50 | Lethal dose at 50% |
| LC50 | Lethal concentration at 50% |
| EC50 | Half maximal effective concentration |
| IC50 | Half maximal inhibitory concentration |
| PBT | Persistent bioaccumulative toxic chemical |
| vPvB | Very persistent and very bioaccumulative |
| EEC | European Economic Community |
| ADR | International Transport of Dangerous Goods by Road |
| RID | International Transport of Dangerous Goods by Rail |
| UN | United Nations |
| IMDG | International Maritime Dangerous Goods Code |
| IATA | International Air Transport Association |
| MARPOL | International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 |
| IBC | International Bulk Container |
| RTI | Respiratory Tract Irritation |
| NE | Narcotic Effects |
| IMO | International Maritime Organization |
| Note P: | The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene |
| Note 10: | The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$. |

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.