

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 | FLOWSHIELD ESD WHG PART A | Revision Date: | 13/02/2023 |
| Product Name: | Flowshield ESD WHG Part A | Supersedes Date: | New SDS |
| UFI Code: | VV4N-K0T7-300E-4KA1 | | |
| 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 | <p>Alteco Technik GmbH Raiffeisenstrasse 16 D-27239 Twistringen Germany Phone: +49(0) 4243 92950 Fax: +49(0) 4243 929589 This telephone number is available during office hours only</p> | | |
| Supplier: | | | |
| Datasheet Produced by: | info@alteco-technik.de | | |
| 1.4 Emergency telephone number: | Chemtrec: 1-800-424-9300 for US +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

| | |
|---|--------|
| Other EU extensions | EUH205 |
| Skin Irritation, category 2 | H315 |
| Skin Sensitizer, category 1 | H317 |
| Eye Irritation, category 2 | H319 |
| Hazardous to the aquatic environment, Chronic, category 2 | H411 |

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

Warning

Named Chemicals on Label

1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane, Bisphenol-F epoxy resin (Epoxy phenol novolac resin)

HAZARD STATEMENTS

| | | |
|---|--------|--|
| Other EU extensions | EUH205 | Contains epoxy constituents. May produce an allergic reaction. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Hazardous to the aquatic environment, Chronic, category 2 | H411 | Toxic to aquatic life with long lasting effects. |

PRECAUTION PHRASES

| | |
|--------------|---|
| P261 | Avoid breathing 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. |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P333+313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P391 | Collect spillage. |
| P501 | Dispose of contents/container to waste treatment/disposal facility in accordance with local, state, and federal regulations. |

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> | <u>SCL Value:</u> <u>ATE Value:</u> <u>M-Factor:</u> |
|--|------------|--|--|
| Bisphenol-F epoxy resin (Epoxy phenol novolac resin) 500-006-8 9003-36-5 01-2119454392-40 | 25 - <50 | H315-317-319-411 Aquatic Chronic 2, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 | SCL Value: - ATE Value: - M-Factor: - |
| Benzyl alcohol 202-859-9 100-51-6 01-2119492630-38 | 2.5 - <10 | H302-332 Acute Tox. 4 Inhalation, Acute Tox. 4 Oral | SCL Value: - ATE Value: - M-Factor: - |
| Bis(isopropyl)naphthalene 254-052-6 38640-62-9 01-2119565150-48 | 1.0 - <2.5 | H304-410 Aquatic Chronic 1, Asp. Tox. 1 | SCL Value: - ATE Value: - M-Factor: - |
| 1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane 241-536-7 17557-23-2 No Information | 1.0 - <2.5 | H315-317 Skin Irrit. 2, Skin Sens. 1 | 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. Risk of product entering the lungs on vomiting after ingestion. Remove contaminated clothing and shoes.

AFTER INHALATION: Keep respiratory tract clear. 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.

AFTER EYE CONTACT: Keep eye wide open while rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this container or label.

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 long-term adverse effects in the aquatic environment.

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, Foam, Water Fog

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

5.3 Advice for firefighters

Keep containers and surroundings cool with water spray. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Fire will produce dense black smoke containing hazardous combustion products (see section 10). In the event of fire, wear self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

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. 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.

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

Wear personal protective equipment. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin and eyes.

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. Keep away from food, drink and animal feedingstuffs. When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Do not freeze.

STORAGE CONDITIONS: Keep at temperatures between 5 and 25 °C. Do not freeze. Store at room temperature in the original container. 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 a resin flooring product. 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> |
|--|----------------|-----------------|-----------------|-------------------|-------------------|
| Bisphenol-F epoxy resin (Epoxy phenol novolac resin) | 9003-36-5 | | | | |
| Benzyl alcohol | 100-51-6 | | | | |
| Bis(isopropyl)naphthalene | 38640-62-9 | | | | |
| 1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane | 17557-23-2 | | | | |

| <u>Name</u> | <u>CAS-No.</u> | <u>OEL Note</u> |
|--|----------------|-----------------|
| Bisphenol-F epoxy resin (Epoxy phenol novolac resin) | 9003-36-5 | |
| Benzyl alcohol | 100-51-6 | |
| Bis(isopropyl)naphthalene | 38640-62-9 | |
| 1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane | 17557-23-2 | |

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:

Bisphenol-F epoxy resin (Epoxy phenol novolac resin)

EC No.:

500-006-8

CAS-No.:

9003-36-5

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 | | | | | | | 6.25 mg/kg bw/d |
| Inhalation | | | | 29.39 mg/m ³ | | | | 8.7 mg/m ³ |
| Dermal | | | | 104.15 mg/kg bw/d | | | | 62.5 mg/kg bw/d |

PNEC's - Predicted no effect concentration

| Environmental protection target | PNEC |
|--|--------------|
| Fresh water | 0.003 mg/l |
| Fresh water sediments | 0.294 mg/kg |
| Marine water | 0.0003 mg/l |
| Marine sediments | 0.0294 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment soil (agricultural) | 10 mg/l |
| Air | 0.237 mg/kg |

Chemical Name:

Benzyl alcohol

EC No.:

202-859-9

CAS-No.:

100-51-6

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 | | | | | | | 4 mg/kg bw/d |
| Inhalation | - | 110 mg/m ³ | - | 22 mg/m ³ | - | 27 mg/m ³ | - | 5.4 mg/m ³ |
| Dermal | - | 40 mg/kg bw/d | - | 8 mg/kg bw/d | - | 20 mg/kg bw/d | - | 4 mg/kg bw/d |

PNEC's - Predicted no effect concentration

| Environmental protection target | PNEC |
|--|-------------|
| Fresh water | 1 mg/l |
| Fresh water sediments | 5.27 mg/kg |
| Marine water | 0.1 mg/l |
| Marine sediments | 0.527 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment soil (agricultural) | 39 mg/l |
| Air | 0.456 mg/kg |

8.2 Exposure controls**Personal Protection**

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

Recommended Filter type: A2, EN 136/140/145/143/149

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

HAND PROTECTION: Impervious gloves. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. 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.

OTHER PROTECTIVE EQUIPMENT: No Information

ENGINEERING CONTROLS: As a rule, at least 5 air changes per hour are recommended at the workplace. 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: | VARIOUS |
| Physical State | Liquid |
| Odor | Not 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) | Not determined |
| Flash Point, (°C) | 100 |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | Not determined |
| Lower and upper explosive limit | Not determined |
| Vapour Pressure | Not determined |
| Relative vapour density | Not determined |
| Density and/or relative density | 1.83 g/cm ³ |
| Solubility in / Miscibility with water | Not determined |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature (°C) | 167°C |
| Decomposition temperature (°C) | Not determined |
| Kinematic viscosity | Not determined |
| Particle characteristics | Not applicable to liquids |

9.2 Other information

| | |
|---------------------------------------|-------|
| VOC Content g/l: | 0.00 |
| 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

No decomposition if stored and applied as directed. Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Do not freeze.

10.5 Incompatible materials

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Strong oxidizing agents. Copper alloys. Copper. Avoid radical-forming starting agents, peroxides and reactive metals. Halogenated hydrocarbons.

10.6 Hazardous decomposition products

In case of fire **hazardous decomposition products** may be produced such as: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

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: May cause skin and eye irritation.

Corrosivity: No information available.

Sensitization: May cause skin sensitization.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

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> |
|----------------|---|-------------------------------|-------------------------------|-------------------|-----------------|-----------------------|
| 9003-36-5 | Bisphenol-F epoxy resin (Epoxy phenol novolac resin) | >5000 mg/kg (rat) OECD 401 | >2000 mg/kg (rat) OECD 402 | | 0.000 | 0.000 |
| 100-51-6 | Benzyl alcohol | | >2000 mg/kg (rat) | | | >4178 mg/l (rat) |

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. Corrosive - causes irreversible eye damage.

11.2 Information on other hazards

Endocrine disrupting properties - Toxicity

| <u>Name According to EEC</u> | <u>CAS-No.</u> |
|------------------------------|----------------|
| 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

| CAS-No. | Name According to EEC | EC50 48hr | IC50 72hr | LC50 96hr |
|------------|--|----------------|---|--------------------------------|
| 9003-36-5 | Bisphenol-F epoxy resin (Epoxy phenol novolac resin) | 1.6 mg/l | 1.8 mg/l (Pseudokirchnerella subcapitata) OECD 201 | 0.55 mg/l |
| 100-51-6 | Benzyl alcohol | 230 mg/l | 770 mg/l (Pseudokirchneriella) | 460 mg/l (Pimephales promelas) |
| 38640-62-9 | Bis(isopropyl)naphthalene | No information | No information | No information |
| 17557-23-2 | 1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane | No information | No information | |

SECTION 13: Disposal Considerations

13.1 **WASTE TREATMENT METHODS:** Dispose of as hazardous waste in compliance with local and national regulations. Container hazardous when empty. Empty containers should be taken to an approved waste handling site for recycling or disposal. The product should not be allowed to enter drains, water courses or the soil.

European Waste Code: No Information

Packaging Waste Code: 150110

SECTION 14: Transport Information

| | ADR/RID | ADN | IMDG | IATA |
|--|---|---|---|---|
| 14.1 UN-number or ID number | UN3082 | UN3082 | UN3082 | UN3082 |
| 14.2 UN proper shipping name | Environmentally Hazardous substance, Liquid, N.O.S., Epoxy resin, Diisopropyl naphthalene isomers | Environmentally Hazardous substance, Liquid, N.O.S., Epoxy resin, Diisopropyl naphthalene isomers | Environmentally Hazardous substance, Liquid, N.O.S., Epoxy resin, Diisopropyl naphthalene isomers | Environmentally Hazardous substance, Liquid, N.O.S., Epoxy resin, Diisopropyl naphthalene isomers |
| 14.3 Transport Hazard Class(es) | 9 | 9 | 9 | 9 |
| 14.4 Packing Group | III | III | III | III |
| 14.5 Environmental Hazards | Marine pollutant | Marine pollutant | Marine pollutant | Marine pollutant |

14.6 Special precautions for user Not applicable

EmS-No.: F-A, S-F

14.7 Maritime transport in bulk according to IMO instruments 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: Not available

Germany WGK Class: Not available

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:

| | |
|------|---|
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

Reasons for revision

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 of the product is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the exact 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/m ³ | 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 ≤ 10 µm. |

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.