

**Safety Data Sheet**

Prepared In Accordance With HCS 29  
C.F.R. 1910.1200

**1. Identification of the Substance/Mixture and the Company/Undertaking**

- 1.1 Product Identifier**                      TEXPRIMBSDS                      **Revision Date:**                      01/10/2025
- Product Name:**                      Texacrete-R Primer - Part B                      **Supersedes Date:**                      12/20/2024
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**                      Hardener of 2 component adhesive. For use by appropriately trained applicators. See Technical Datasheet. Advised against: others than recommended
- 1.3 Details of the supplier of the safety data sheet**
- Supplier:**                      FPT Infrastructure, Division of Fibrecrete Preservation Technologies, Inc.  
401 Old US 52 South  
Mount Airy, NC 27030  
USA  
Phone: (336) 789 7259  
Fax: (336) 789 7425  
www.fptinfrastructure.com  
info@fptinfrastructure.com
- Datasheet Produced by:**                      EHS@FPTInfrastructure.com
- 1.4 Emergency telephone number:**                      +1 703-741-5970 - North America  
+1 800-424-9300  
+55 11 4349 1359 - South America  
+52 55 8526 4930 - Central America  
+44 20 3885 0382 - Middle East, Eastern Europe, Western Europe, And Africa  
+65 3163 8374 - Asia, South Asia, And Oceania

**2. Hazard Identification****2.1 Classification of the substance or mixture**

Acute Toxicity, Inhalation, category 1  
Hazardous to the aquatic environment, Acute, category 1  
Hazardous to the aquatic environment, Chronic, category 1  
Carcinogenicity, category 1A  
Germ Cell Mutagenicity, category 1B  
Reproductive ToxicityFD\_category\_1B  
Skin Corrosion, category 1  
Skin Sensitizer, category 1  
STOT, single exposure, category 3, RTI

## 2.2 Label elements

### Symbol(s) of Product



### Signal Word

Danger

### Named Chemicals on Label

4,4'-isopropylidenediphenol, Diethylenetriamine, 2-piperazin-1-ylethylamine, Pitch, coal tar, high-temp., 4-nonylphenol, branched

### HAZARD STATEMENTS

|                                                           |         |                                                       |
|-----------------------------------------------------------|---------|-------------------------------------------------------|
| Skin Corrosion, category 1                                | H314-1  | Causes severe skin burns and eye damage.              |
| Skin Sensitizer, category 1                               | H317    | May cause an allergic skin reaction.                  |
| Acute Toxicity, Inhalation, category 1                    | H330-1  | Fatal if inhaled.                                     |
| STOT, single exposure, category 3, RTI                    | H335    | May cause respiratory irritation.                     |
| Germ Cell Mutagenicity, category 1B                       | H340-1B | May cause genetic defects.                            |
| Carcinogenicity, category 1A                              | H350-1A | May cause cancer.                                     |
| Reproductive_ToxicityFD_category_1B                       | H360FD  | May damage fertility. May damage the unborn child.    |
| Hazardous to the aquatic environment, Acute, category 1   | H400    | Very toxic to aquatic life.                           |
| Hazardous to the aquatic environment, Chronic, category 1 | H410    | Very toxic to aquatic life with long lasting effects. |

### PRECAUTION PHRASES

|              |                                                                                                                                     |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| P201         | Obtain special instructions before use.                                                                                             |
| P202         | Do not handle until all safety precautions have been read and understood.                                                           |
| P260         | Do not breathe dust/fume/gas/mist/vapours/spray.                                                                                    |
| P264         | Wash hands thoroughly after handling.                                                                                               |
| P273         | Avoid release to the environment.                                                                                                   |
| P280         | Wear protective gloves/protective clothing/eye protection/face protection.                                                          |
| P284         | Wear respiratory protection.                                                                                                        |
| P301+310     | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.                                                                 |
| P301+330+331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                                                  |
| 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.                                    |
| 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. |
| P308+313     | IF exposed or concerned: Get medical advice/attention.                                                                              |
| P308+P313    | IF exposed or concerned: Get medical advice/attention                                                                               |
| P333+313     | If skin irritation or rash occurs: Get medical advice/attention.                                                                    |
| P363         | Wash contaminated clothing before reuse.                                                                                            |
| P391         | Collect spillage.                                                                                                                   |
| P403+233     | Store in a well-ventilated place. Keep container tightly closed.                                                                    |

**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.

**3. Composition/Information On Ingredients****3.2 Mixtures****Hazardous ingredients**

| <u>Name According to EEC</u> | <u>EINEC No.</u> | <u>CAS-No.</u> | <u>%</u>   | <u>Classifications</u>             |                                                                                                             |
|------------------------------|------------------|----------------|------------|------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Pitch, coal tar, high-temp.  | 266-028-2        | 65996-93-2     | 50 - <75   | H317-318-340-350-3<br>60FD-400-410 | Aquatic Acute 1, Aquatic Chronic 1, Carc. 1A, Eye Dam. 1, Muta. 1B, Repr. 1B, Skin Sens. 1                  |
| 4-nonylphenol, branched      | 284-325-5        | 84852-15-3     | 10 - <25   | H302-314-361-400-4<br>10           | Acute Tox. 4 Oral, Aquatic Acute 1, Aquatic Chronic 1, Repr. 2, Skin Corr. 1                                |
| 4,4'-isopropylidenediphenol  | 201-245-8        | 80-05-7        | 10 - <25   | H317-318-335-360F-<br>400-410      | Aquatic Acute 1, Aquatic Chronic 1, Eye Dam. 1, Repr. 1B, Skin Sens. 1, STOT SE 3 RTI                       |
| Diethylenetriamine           | 203-865-4        | 111-40-0       | 10 - <25   | H302-312-314-317-3<br>30-335       | Acute Tox. 1 Inhalation, Acute Tox. 4 Dermal, Acute Tox. 4 Oral, Skin Corr. 1, Skin Sens. 1A, STOT SE 3 RTI |
| 2-piperazin-1-ylethylamine   | 205-411-0        | 140-31-8       | 1.0 - <2.5 | H290-311-314-317-4<br>12           | Acute Tox. 3 Dermal, Aquatic Chronic 3, Met. Corr. 1, Skin Corr. 1, Skin Sens. 1                            |

CAS-No.

65996-93-2  
84852-15-3  
80-05-7  
111-40-0  
140-31-8

M-Factors**Additional Information:**

The text for GHS Hazard Statements shown above (if any) is given in Section 16.

**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.**AFTER INHALATION:** Move to fresh air. Consult a physician after significant exposure.**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.**AFTER EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.**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.

**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**

No Information

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

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

**5. Fire-fighting Measures****5.1 Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Foam

**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**

No Information

**5.3 Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus. High volume water jet. 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.

**6. Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Use personal protective equipment.

**6.2 Environmental precautions**

Do not allow material to contaminate ground water system. Prevent product from entering drains.

**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).

**6.4 Reference to other sections**

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

**7. Handling and Storage****7.1 Precautions for safe handling**

**INSTRUCTIONS FOR SAFE HANDLING:** Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapours or spray mist.

**PROTECTION AND HYGIENE MEASURES:** Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

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

**CONDITIONS TO AVOID:** Direct sources of heat.

**STORAGE CONDITIONS:** Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

**7.3 Specific end use(s)**

No specific advice for end use available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Ingredients with Occupational Exposure Limits (US)

| <u>Name</u>                 | <u>CAS-No.</u> | <u>ACGIH TWA</u> | <u>ACGIH STEL</u> | <u>ACGIH Ceiling</u> |
|-----------------------------|----------------|------------------|-------------------|----------------------|
| Pitch, coal tar, high-temp. | 65996-93-2     | 0.2 MGM3         |                   |                      |
| 4-nonylphenol, branched     | 84852-15-3     |                  |                   |                      |
| 4,4'-isopropylidenediphenol | 80-05-7        |                  |                   |                      |
| Diethylenetriamine          | 111-40-0       | 1 PPM            |                   |                      |
| 2-piperazin-1-ylethylamine  | 140-31-8       |                  |                   |                      |

| <u>Name</u>                 | <u>CAS-No.</u> | <u>OSHA PEL</u> | <u>OSHA STEL</u> |
|-----------------------------|----------------|-----------------|------------------|
| Pitch, coal tar, high-temp. | 65996-93-2     | 0.2 MGM3        |                  |
| 4-nonylphenol, branched     | 84852-15-3     |                 |                  |
| 4,4'-isopropylidenediphenol | 80-05-7        |                 |                  |
| Diethylenetriamine          | 111-40-0       | 4 MGM3, 1 PPM   |                  |
| 2-piperazin-1-ylethylamine  | 140-31-8       |                 |                  |

**FURTHER INFORMATION:** Refer to the regulatory exposure limits for the workforce enforced in each country.

### 8.2 Exposure controls

#### Personal Protection

**RESPIRATORY PROTECTION:** In case of insufficient ventilation and where workplace exposure limits may be exceeded, wear suitable respiratory equipment. Respirator with filter for organic vapor.

**EYE PROTECTION:** Safety glasses. If splashes are likely to occur, wear: tightly fitting safety goggles.

**HAND PROTECTION:** Impervious gloves.

**Body Protection:** Long sleeved clothing.

Remove and wash contaminated clothing before re-use.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Avoid contact with skin, eyes and clothing. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Ensure adequate ventilation, especially in confined areas.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                                            |                      |
|--------------------------------------------|----------------------|
| <b>Appearance:</b>                         | Black viscous liquid |
| <b>Physical State</b>                      | Liquid               |
| <b>Odor</b>                                | Amine                |
| <b>Odor threshold</b>                      | Not determined       |
| <b>pH</b>                                  | Not determined       |
| <b>Melting point / freezing point (°C)</b> | Not determined       |
| <b>Boiling point/range (°C)</b>            | Not determined       |

|                                                     |                |
|-----------------------------------------------------|----------------|
| Flash Point, (°F / °C)                              | Not determined |
| Evaporation rate                                    | Not determined |
| Flammability (solid, gas)                           | Not determined |
| Upper/lower flammability or explosive limits - %(V) | Not determined |
| Vapour Pressure                                     | Not determined |
| Vapour density                                      | Not determined |
| Relative density                                    | 1.09           |
| Solubility in / Miscibility with water              | Not determined |
| Partition coefficient: n-octanol/water              | Not determined |
| Auto-ignition temperature (°C)                      | Not determined |
| Decomposition temperature (°C)                      | Not determined |
| Viscosity                                           | Not determined |
| Explosive properties                                | Not determined |
| Oxidising properties                                | Not determined |
| 9.2 Other information                               |                |
| VOC Content g/l:                                    | Not determined |
| Specific Gravity (g/cm <sup>3</sup> )               | 1.090          |

## 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

Hazardous polymerisation may occur.

### 10.4 Conditions to avoid

Direct sources of heat.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

**Acute Toxicity:**

**Oral LD50:** No information available.

**Inhalation LC50:** No information available.

**Irritation:** No information available.

**Corrosivity:** No information available.

**Sensitization:** No information available.

**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>Chemical Name</u>        | <u>Oral LD50</u>         | <u>Dermal LD50</u>          | <u>Vapor LC50</u>             | <u>Gas LC50</u> | <u>Dust/Mist LC50</u> |
|----------------|-----------------------------|--------------------------|-----------------------------|-------------------------------|-----------------|-----------------------|
| 65996-93-2     | Pitch, coal tar, high-temp. | 4300 mg/kg,<br>oral, rat |                             | 5000 ppm/4 hr,<br>inh, rat    | 0.000           | 0.000                 |
| 84852-15-3     | 4-nonylphenol, branched     | 580 mg/kg oral<br>rat    |                             |                               | 0.000           | 0.000                 |
| 80-05-7        | 4,4'-isopropylidenediphenol | 3250 mg/kg,<br>oral, rat | 3000 mg/kg,<br>oral, rabbit |                               | 0.000           | 0.000                 |
| 111-40-0       | Diethylenetriamine          | 1080 mg/kg,<br>oral, rat | 1090 mg/kg                  | 10 mg/L / 1 hour,<br>inh, rat | 0.000           | 0.000                 |
| 140-31-8       | 2-piperazin-1-ylethylamine  | 2108 mg/kg,<br>oral, rat | 866 mg/kg rabbit            |                               | 0.000           | 0.000                 |

**Additional Information:**

No Information

## 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 Other adverse effects:              | No information                                                                     |

| <u>CAS-No.</u> | <u>Chemical Name</u>        | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|-----------------------------|------------------|------------------|------------------|
| 65996-93-2     | Pitch, coal tar, high-temp. | No information   | No information   |                  |
| 84852-15-3     | 4-nonylphenol, branched     | .035 mg/L        | .0563 mg/L       | .1383 mg/l       |
| 80-05-7        | 4,4'-isopropylidenediphenol | 10.2 mg/l        | No information   | 205 mg/l         |
| 111-40-0       | Diethylenetriamine          | 780 mg/l         | No information   | 430 mg/l         |
| 140-31-8       | 2-piperazin-1-ylethylamine  | 58 mg/l          | >1000 mg/L       | 2190 mg/l        |

### 13. Disposal Considerations

- 13.1 **WASTE TREATMENT METHODS:** 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.

### 14. Transport Information

|                                                                               |                                           |
|-------------------------------------------------------------------------------|-------------------------------------------|
| 14.1 UN number                                                                | UN3267                                    |
| 14.2 UN proper shipping name                                                  | Corrosive liquids, basic, organic, n.o.s. |
| Technical name                                                                | Diethylenetriamine, para-Nonyphenol       |
| 14.3 Transport hazard class(es)                                               | 8                                         |
| Subsidiary shipping hazard                                                    | Not applicable                            |
| 14.4 Packing group                                                            | III                                       |
| 14.5 Environmental hazards                                                    | Yes                                       |
| 14.6 Special precautions for user                                             | Not applicable                            |
| EmS-No.:                                                                      | Not applicable                            |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Not applicable                            |

### 15. Regulatory Information

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

### U.S. Federal Regulations: As follows -

#### CERCLA - Sara Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Carcinogenicity, Acute Toxicity (any route of exposure), Reproductive toxicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Specific target organ toxicity (single or repeated exposure), Germ cell mutagenicity

**Sara Section 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the U.S. Superfund Amendment and Reauthorization Act (SARA) of 1986 and 40 CFR part 372:

| <u>Chemical Name</u>    | <u>CAS-No.</u> | <u>%</u> |
|-------------------------|----------------|----------|
| 4-nonylphenol, branched | 84852-15-3     | 15       |

**Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

**U.S. Clean Air Act:**

|                              |                |
|------------------------------|----------------|
| EPA Coating Category:        | Not applicable |
| EPA VOC Content Limit (g/l): | Not determined |
| Product VOC Content (g/l)    | Not applicable |
| Thinning Recommendations:    | Not applicable |
| Application Recommendations: | Not applicable |

\* As per the federal EPA definition for coating categories in 40 CFR 59.401.

\*\* Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E.

**U.S. State Regulations: As follows -****New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| polymer / solids     | 68683-29-4     |

**Pennsylvania Right-To-Know**

The following non-hazardous ingredients are present in the product at greater than 3%.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| polymer / solids     | 68683-29-4     |

**California Proposition 65:**

WARNING: Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

WARNING: Reproductive Toxicant -- [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**International Regulations: As follows -****\* Canadian DSL:**

All chemical ingredients included on inventory or exempt.

**15.2 Chemical Safety Assessment:**

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

**16. Other Information****Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

|        |                                                       |
|--------|-------------------------------------------------------|
| H290   | May be corrosive to metals.                           |
| H302   | Harmful if swallowed.                                 |
| H311   | Toxic in contact with skin.                           |
| H312   | Harmful in contact with skin.                         |
| H314   | Causes severe skin burns and eye damage.              |
| H317   | May cause an allergic skin reaction.                  |
| H318   | Causes serious eye damage.                            |
| H330   | Fatal if inhaled.                                     |
| H335   | May cause respiratory irritation.                     |
| H340   | May cause genetic defects.                            |
| H350   | May cause cancer.                                     |
| H360F  | May damage fertility.                                 |
| H360FD | May damage fertility. May damage the unborn child.    |
| H361   | Suspected of damaging fertility or the unborn child.  |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very toxic to aquatic life with long lasting effects. |
| H412   | Harmful to aquatic life with long lasting effects.    |

**Reasons for revision**

No Information

**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 &amp; 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.

