

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MCSL BLUE**Version Number 1.0  
Revision Date 11/26/2015Page 1 of 14  
Print Date 12/02/2015

## SAFETY DATA SHEET

## T283.6 NP-20 CC HIGH MCSL BLUE

**Section 1. Identification**

**GHS product identifier** : T283.6 NP-20 CC HIGH MCSL BLUE  
**Chemical name** : Mixture  
**CAS number** : Mixture  
**Other means of identification** : CC01060605  
**Product type** : solid

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

**Product use** : Industrial applications. Plastics.

**Supplier's details** : **Colorant Chromatics**  
Chromatics, Inc.  
19 Francis J. Clarke Circle, Bethel, CT 06801, USA  
  
+1 800 242 2296

**Emergency telephone number (with hours of operation)** : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

**Section 2. Hazards identification**

This mixture has not been evaluated as a whole for health effects. All ingredients are bound in a polymer matrix and potential for hazardous exposure as shipped is minimal. Fluoropolymers heated above 350 C can evolve hydrogen fluoride and carbonyl fluoride as degradation products. Processing at elevated temperatures may release fumes that can cause polymer fume fever. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MCSL BLUE**

Version Number 1.0  
Revision Date 11/26/2015

Page 2 of 14  
Print Date 12/02/2015

GHS label elements

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.

Precautionary statements

**General** : Not applicable.  
**Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.  
**Supplemental label elements** : None known.  
**Hazards not otherwise classified** : None known.

**Section 3. Composition/information on ingredients**

**Substance/mixture** : Mixture  
**Chemical name** : Mixture  
**Other means of identification** : CC01060605

CAS number/other identifiers

| Ingredient name  | %     | CAS number |
|------------------|-------|------------|
| Titanium dioxide | 1 - 5 | 13463-67-7 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

**Section 4. First aid measures**Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MCSL BLUE**

Version Number 1.0  
Revision Date 11/26/2015

Page 3 of 14  
Print Date 12/02/2015

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed****Potential acute health effects**

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

**Indication of immediate medical attention and special treatment needed, if necessary**

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

|  |
|--|
| <b>Section 5. Fire-fighting measures</b> |
|--|

**Extinguishing media**

- Suitable extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the** : No specific fire or explosion hazard.

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MCSL BLUE**

Version Number 1.0  
Revision Date 11/26/2015

Page 4 of 14  
Print Date 12/02/2015

**chemical**

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
halogenated compounds  
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

|   |
|---|
| <b>Section 6. Accidental release measures</b> |
|---|

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

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and materials for containment and cleaning up**

- Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

|  |
|--|
| <b>Section 7. Handling and storage</b> |
|--|

**SAFETY DATA SHEET**

**T283.6 NP-20 CC HIGH MCSL BLUE**

Version Number 1.0  
 Revision Date 11/26/2015

Page 5 of 14  
 Print Date 12/02/2015

**Precautions for safe handling**

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Section 8. Exposure controls/personal protection**

**Control parameters**

**Occupational exposure limits**

| Ingredient name  | Exposure limits  |
|------------------|--|
| Titanium dioxide | <p><b>OSHA PEL 1989 (1989-03-01)</b><br/>                     PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust</p> <p><b>OSHA PEL (1993-06-30)</b><br/>                     PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust</p> <p><b>NIOSH REL (1994-06-01)</b></p> <p><b>ACGIH TLV (1996-05-18)</b><br/>                     TLV-TWA: Threshold Limit Value - Time weighted average PEL:<br/>                     Permissible Exposure Level 10 mg/m3</p> |

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MC SL BLUE**

Version Number 1.0  
Revision Date 11/26/2015

Page 6 of 14  
Print Date 12/02/2015

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

|  |
|--|
| <b>Section 9. Physical and chemical properties</b> |
|--|

**Appearance**

- Physical state** : solid [Pellets.]
- Color** : BLUE
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Not available.
- Burning time** : Not available.
- Burning rate** : Not available.

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MCSL BLUE**

Version Number 1.0  
Revision Date 11/26/2015

Page 7 of 14  
Print Date 12/02/2015

|  |   |  |
|--|---|--|
| Evaporation rate                             | : | Not available.   |
| Flammability (solid, gas)                    | : | Not available.   |
| Lower and upper explosive (flammable) limits | : | <b>Lower:</b> Not available.<br><b>Upper:</b> Not available.       |
| Vapor pressure                               | : | Not available.   |
| Vapor density                                | : | Not available.   |
| Relative density                             | : | Not available.   |
| Solubility                                   | : | Not available.   |
| Solubility in water                          | : | Not available.   |
| Partition coefficient: n-octanol/water       | : | Not available.   |
| Auto-ignition temperature                    | : | Not available.   |
| Decomposition temperature                    | : | Not available.   |
| SADT   | : | Not available.   |
| Viscosity                                    | : | <b>Dynamic:</b> Not available.<br><b>Kinematic:</b> Not available. |

### Section 10. Stability and reactivity

|                                    |   |  |
|------------------------------------|---|--|
| Reactivity                         | : | No specific test data related to reactivity available for this product or its ingredients.           |
| Chemical stability                 | : | Stable under recommended storage and handling conditions (see Section 7).                            |
| Possibility of hazardous reactions | : | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Conditions to avoid                | : | Keep away from extreme heat and oxidizing agents.  |
| Incompatible materials             | : | Keep away from strong acids.<br>Oxidizer.  |
| Hazardous decomposition products   | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

### Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

#### Information on toxicological effects

##### Acute toxicity

| Product/ingredient name | Result          | Species    | Dose          | Exposure |
|-------------------------|-----------------|------------|---------------|----------|
| Titanium dioxide        |                 |            |               |          |
|                         | LC50 Inhalation | Rat - Male | 6.82 Mg/l     | 4 h      |
|                         | LD50 Dermal     | Rabbit     | > 5,000 mg/kg | -        |

**SAFETY DATA SHEET**

**T283.6 NP-20 CC HIGH MCSL BLUE**

Version Number 1.0  
 Revision Date 11/26/2015

Page 8 of 14  
 Print Date 12/02/2015

**Conclusion/Summary** : No results available.

**Irritation/Corrosion**

**Conclusion/Summary**  
**Skin** : No results available.  
**Eyes** : Mixture.  
**Respiratory** : Mixture.

**Sensitization**

**Conclusion/Summary**  
**Skin** : No results available.  
**Respiratory** : Mixture.

**Mutagenicity**

**Conclusion/Summary** : No results available.

**Carcinogenicity**

**Conclusion/Summary** : No results available.

**Classification**

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Titanium dioxide        |      | 2B   |     |

**Reproductive toxicity**

**Conclusion/Summary** : No results available.

**Teratogenicity**

**Conclusion/Summary** : No results available.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure** : Not available.



**SAFETY DATA SHEET****T283.6 NP-20 CC HIGH MCSL BLUE**Version Number 1.0  
Revision Date 11/26/2015Page 9 of 14  
Print Date 12/02/2015**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure****Short term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Potential chronic health effects**

**Conclusion/Summary** : No results available.  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity****Acute toxicity estimates**

Not available.

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MC SL BLUE**

Version Number 1.0  
Revision Date 11/26/2015

Page 10 of 14  
Print Date 12/02/2015

**Section 12. Ecological information****Toxicity**

| Product/ingredient name | Result                                      | Species                                    | Exposure |
|-------------------------|---|--|----------|
| Titanium dioxide        |   |  |          |
|                         | Acute LC50 > 1,000,000 µg/l<br>Marine water | Fish - Fish                                | 96 h     |
|                         | Acute LC50 > 1,000 mg/l Fresh<br>water      | Fish - Fish                                | 96 h     |
|                         | Acute LC50 13 mg/l Fresh water              | Aquatic invertebrates.<br>Daphnia          | 48 h     |
|                         | Acute LC50 6.5 mg/l Fresh water             | Aquatic invertebrates.<br>Daphnia          | 48 h     |
|                         | Acute EC50 19.3 mg/l Fresh water            | Aquatic invertebrates.<br>Daphnia          | 48 h     |
|                         | Acute EC50 27.8 mg/l Fresh water            | Aquatic invertebrates.<br>Daphnia          | 48 h     |
|                         | Acute EC50 35.306 mg/l Fresh<br>water       | Aquatic invertebrates.<br>Daphnia          | 48 h     |
|                         | Acute LC50 3 mg/l Fresh water               | Aquatic invertebrates.<br>Crustacean Order | 48 h     |
|                         | Acute LC50 15.9 mg/l Fresh water            | Aquatic invertebrates.<br>Crustacean Order | 48 h     |
|                         | Acute LC50 3.6 mg/l Fresh water             | Aquatic invertebrates.<br>Crustacean Order | 48 h     |
|                         | Acute LC50 11 mg/l Fresh water              | Aquatic invertebrates.<br>Crustacean Order | 48 h     |
|                         | Acute LC50 13.4 mg/l Fresh water            | Aquatic invertebrates.<br>Crustacean Order | 48 h     |

**Conclusion/Summary** : Not available.

**Persistence and degradability**

**Conclusion/Summary** : Not available.

**Bioaccumulative potential**

| Product/ingredient name | LogPow | BCF    | Potential |
|-------------------------|--------|--------|-----------|
| Titanium dioxide        |        | 352.00 | low       |

**Mobility in soil**

**Soil/water partition coefficient** : Not available.

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MC SL BLUE**

Version Number 1.0  
Revision Date 11/26/2015

Page 11 of 14  
Print Date 12/02/2015

(KOC)  
Other adverse effects : No known significant effects or critical hazards.

**Section 13. Disposal considerations**

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**United States - RCRA Acute hazardous waste "P" List:** Not listed

**United States - RCRA Toxic hazardous waste "U" List:** Not listed

**Section 14. Transport information**

U.S. DOT Classification : Not regulated for transportation.  
ICAO/IATA : Consult mode specific transport rules  
IMO/IMDG (maritime) : Consult mode specific transport rules

**Section 15. Regulatory information**

**U.S. Federal regulations** : **United States - TSCA 12(b) - Chemical export notification:** The following components are listed: **Teflon**  
**United States - TSCA 4(a) - Final Test Rules:** Listed **Teflon**  
**United States - TSCA 4(a) - ITC Priority list:** Not listed  
**United States - TSCA 4(f) - Priority risk review:** Not listed  
**United States - TSCA 5(a)2 - Final significant new use rules:** Not listed  
**United States - TSCA 5(a)2 - Proposed significant new use rules:** Not listed

**SAFETY DATA SHEET**

**T283.6 NP-20 CC HIGH MC SL BLUE**

Version Number 1.0  
 Revision Date 11/26/2015

Page 12 of 14  
 Print Date 12/02/2015

United States - TSCA 6 - Final risk management: Not listed  
 United States - TSCA 6 - Proposed risk management: Not listed  
 United States - TSCA 8(a) - Chemical risk rules: Not listed  
 United States - TSCA 8(a) - Dioxin/Furane precursor: Not listed  
 United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined  
 United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed  
 United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed  
 United States - TSCA 8(d) - Health and safety studies: Not listed  
 United States - TSCA 4(a) - Proposed test rules: Not listed  
 United States - TSCA 5(e) - Substances consent order: Not listed  
 United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Cobalt titanate green spinel (C.I. Pigment Green 50)

United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Not listed  
 United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed  
 United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed  
 United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b) : Listed  
 Hazardous Air Pollutants (HAPs)  
 Clean Air Act Section 602 Class I Substances : Not listed  
 Clean Air Act Section 602 Class II Substances : Not listed  
 DEA List I Chemicals (Precursor Chemicals) : Not listed  
 DEA List II Chemicals (Essential Chemicals) : Not listed

**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

not applicable

**SARA 311/312**

Classification : Not applicable.

**Composition/information on ingredients**

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MCSL BLUE**

Version Number 1.0  
Revision Date 11/26/2015

Page 13 of 14  
Print Date 12/02/2015

| Name             | %     | Classification |
|------------------|-------|----------------|
| Titanium dioxide | 1 - 5 | CH             |

**SARA 313**

|  | Product name   | CAS number | %       |
|--|--|------------|---------|
| <b>Form R - Reporting requirements</b> | Cobalt titanate green spinel (C.I. Pigment Green 50) | 68186-85-6 | 0.1 - 1 |
| <b>Supplier notification</b>           | Cobalt titanate green spinel (C.I. Pigment Green 50) | 68186-85-6 | 0.1 - 1 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State regulations****Massachusetts**

- : The following components are listed:  
Titanium dioxide

**New York**

- : None of the components are listed.

**New Jersey**

- : The following components are listed:  
Cobalt aluminate blue spinel (C.I. Pigment Blue 28)  
Titanium dioxide

**Pennsylvania**

- : The following components are listed:  
Cobalt aluminate blue spinel (C.I. Pigment Blue 28)  
  
Titanium dioxide

**California Prop. 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

**United States inventory (TSCA 8b)** : All components are listed or exempted.

**Canada inventory** : All components are listed or exempted.

**International regulations****International lists**

- : **Australia inventory (AICS):** All components are listed or exempted.
- Taiwan inventory (CSNN):** All components are listed or exempted.
- Malaysia Inventory (EHS Register):** Not determined.
- EINECS:** All components are listed or exempted.
- Japan inventory:** Not determined.
- China inventory (IECSC):** All components are listed or exempted.
- Korea inventory:** All components are listed or exempted.
- New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
- Philippines inventory (PICCS):** All components are listed or

## SAFETY DATA SHEET

**T283.6 NP-20 CC HIGH MC SL BLUE**

Version Number 1.0  
 Revision Date 11/26/2015

Page 14 of 14  
 Print Date 12/02/2015

exempted.

**Chemical Weapons Convention  
 List Schedule I Chemicals** : Not listed  
**Chemical Weapons Convention  
 List Schedule II Chemicals** : Not listed  
**Chemical Weapons Convention  
 List Schedule III Chemicals** : Not listed

## Section 16. Other information

### History

**Date of printing** : 12/02/2015  
**Date of issue/Date of revision** : 11/26/2015  
**Date of previous issue** : 00/00/0000  
**Version** : 1.0

### **Key to abbreviations**

: ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 UN = United Nations

**References** : Not available.

### Notice to reader

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.**