

Safety Data Sheet according to Regulation (EC) No 2015/830



**Construction
Products Group**
Europe



SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

| | | | |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|
| 1.1 Product Identifier | DECKSHIELD ELASTOMERIC MEMBRANE HRD B | Revision Date: | 04/10/2022 |
| Product Name: | Deckshield Elastomeric Membrane Hardener B | Supersedes Date: | 11/06/2021 |
| UFI Code: | UHC0-R0U6-Y00Y-FSA4 | | |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | Advised against: Home DIY applications, training in the mixing and application required. Hardener for 2 component coatings - Industrial and professional use. | | |
| 1.3 Details of the supplier of the safety data sheet | <p>Manufacturer: Tremco CPG Poland Sp. z o. o. Ul. Marywilska 34 03-228 Warszawa Polska</p> <p>Tel: +48 22 879 8907 Fax: +48 22 879 8918 ehs.uk@flowcrete.com www.flowcrete.com.pl/</p> | | |
| Datasheet Produced by: | ehs.uk@flowcrete.com | | |
| 1.4 Emergency telephone number: | CHEMTREC +1 703 5273887 (Outside US) | | |
| | Giftinformasjonen: +47 22 59 13 00 | | |

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

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

HAZARD STATEMENTS

| | |
|-----------------------------|--------|
| Other EU extensions | EUH204 |
| Skin Sensitizer, category 1 | H317 |
| Eye Irritation, category 2 | H319 |

| | |
|----------------------------------------|------|
| Acute Toxicity, Inhalation, category 4 | H332 |
| Respiratory Sensitizer, category 1 | H334 |
| STOT, single exposure, category 3, RTI | H335 |

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

4-methyl-m-phenylene diisocyanate , Hexamethylene-1,6-diisocyanate homopolymer, Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene, Hydrophilic aliphatic polyisocyanate

HAZARD STATEMENTS

| | | |
|----------------------------------------|--------|----------------------------------------------------------------------------|
| Other EU extensions | EUH204 | Contains isocyanates. May produce an allergic reaction. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled. |
| Respiratory Sensitizer, category 1 | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |

PRECAUTION PHRASES

| | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P285 | In case of inadequate ventilation wear respiratory protection. |
| P302+352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| 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. |
| P341 | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P342+311 | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. |

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.

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

Endocrine disrupting properties - Ecotoxicity

Name According to EEC CAS-No.

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

SECTION 3: Composition/Information On Ingredients

3.2 Mixtures

Hazardous ingredients

| <u>Name According to EEC</u> | <u>%</u> | <u>Classifications</u> | <u>SCL Value:</u> |
|------------------------------------------------------|----------|------------------------|----------------------------|
| Poly[oxy(methyl-1,2-ethanediyl)], α -hydro-w- | | | |
| <u>EINEC No.</u> 609-378-7 | 75-100 | H317-319 | Eye Irrit. 2, Skin Sens. 1 |
| <u>CAS-No.</u> 37273-56-6 | | | ATE Value: |
| <u>REACH Reg No.</u> No Information | | | M-Factor: |

Hexamethylene-1,6-diisocyanate

| | | | |
|---------------------------------------|----------|--------------|------------------------------------------------------|
| <u>EINEC No.</u> 500-060-2 | 10 - <25 | H317-332-335 | Acute Tox. 4 Inhalation, Skin Sens. 1, STOT SE 3 RTI |
| <u>CAS-No.</u> 28182-81-2 | | | ATE Value: |
| <u>REACH Reg No.</u> 01-2119488934-20 | | | M-Factor: |

Hydrophilic aliphatic polyisocyanate

| | | | |
|----------------------------|-----------|------------------|--------------------------------------------------------------------------|
| <u>EINEC No.</u> - | | | |
| <u>CAS-No.</u> 160994-68-3 | 2.5 - <10 | H317-332-335-412 | Acute Tox. 4 Inhalation, Aquatic Chronic 3, Skin Sens. 1B, STOT SE 3 RTI |
| <u>REACH Reg No.</u> - | | | ATE Value: |
| | | | M-Factor: |

4-methyl-m-phenylene diisocyanate

| | | | |
|---------------------------------------|------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <u>EINEC No.</u> 209-544-5 | | | |
| <u>CAS-No.</u> 584-84-9 | 0.1 - <1.0 | H315-317-319-330-334-335-351-412 | Acute Tox. 1 Inhalation, Aquatic Chronic 3, Carc. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1, STOT SE 3 RTI |
| <u>REACH Reg No.</u> 01-2119486974-18 | | | ATE Value: |
| | | | M-Factor: |

Remarks: No Information

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.

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: 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

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

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. Hazardous decomposition products formed under fire conditions. 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.

6.1.2 For emergency responders

Ensure adequate ventilation. Use personal protective equipment.

No Information

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. Keep the container open.

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

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

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapours or spray mist. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used.

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:** No Information**STORAGE CONDITIONS:** Store in original container. Keep container tightly closed in a dry and well-ventilated place. Keep locked up or in an area accessible only to qualified or authorised persons.**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> |
|----------------------------------------------------------------------------------------------------------------------|----------------|-----------------|-----------------|-------------------|-------------------|
| Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene | 37273-56-6 | | | | |
| Hexamethylene-1,6-diisocyanate homopolymer | 28182-81-2 | | | 0.07 | 0.02 |
| Hydrophilic aliphatic polyisocyanate | 160994-68-3 | | | | |
| 4-methyl-m-phenylene diisocyanate | 584-84-9 | | | | 0.02 |

| <u>Name</u> | <u>CAS-No.</u> | <u>OEL Note</u> |
|----------------------------------------------------------------------------------------------------------------------|----------------|-----------------|
| Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene | 37273-56-6 | |
| Hexamethylene-1,6-diisocyanate homopolymer | 28182-81-2 | |
| Hydrophilic aliphatic polyisocyanate | 160994-68-3 | |
| 4-methyl-m-phenylene diisocyanate | 584-84-9 | |

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.**8.2 Exposure controls****Personal Protection****RESPIRATORY PROTECTION:** In case of insufficient ventilation wear suitable respiratory equipment. Respirator with filter for organic vapor.**EYE PROTECTION:** Tightly fitting safety goggles. Safety glasses with side-shields conforming to EN 166.**HAND PROTECTION:** Use chemical resistant gloves (EN 374): Nitrile rubber; thickness $\geq 0,5$ mm; breakthrough time ≥ 480 min. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Impervious gloves. 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. Provide adequate ventilation. Ensure adequate ventilation, especially in confined areas.

Chemical Name:Poly[oxy(methyl-1,2-ethanediy)], α -hydro- ω -hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene**EC No.:**
609-378-7**CAS-No.:**
37273-56-6**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 | | | | | | | |
| Inhalation | 0.14 mg/m ³ | | 0.035 mg/m ³ | 0.035 mg/m ³ | | | | |
| Dermal | | 0.14 mg/m ³ | | | | | | |

PNEC's - Predicted no effect concentration

| | |
|--------------------------------------------------------|--------------|
| Environmental protection target | PNEC |
| Fresh water | 0.013 mg/l |
| Fresh water sediments | |
| Marine water | 0.00125 mg/l |
| Marine sediments | |
| Food chain | |
| Microorganisms in sewage treatment soil (agricultural) | >1 mg/l |
| Air | >1 mg/kg |

Chemical Name:

Hexamethylene-1,6-diisocyanate homopolymer

EC No.:
500-060-2**CAS-No.:**
28182-81-2**DNELs - Derived no effect level**

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|---------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | |
| Inhalation | 1 mg/m ³ | | 0.5 mg/m ³ | | | | | |
| Dermal | | | | | | | | |

PNEC's - Predicted no effect concentration

| | |
|--------------------------------------------------------|-------------|
| Environmental protection target | PNEC |
| Fresh water | 0.199 mg/l |
| Fresh water sediments | 44551 mg/kg |
| Marine water | 0.0199 mg/l |
| Marine sediments | 4455 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment soil (agricultural) | 100 mg/l |
| Air | 8884 mg/kg |

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

| | |
|----------------------------------------------------------------------|----------------|
| Colour: | Yellow |
| Physical State | Liquid |
| Odor | Slight |
| Odor threshold | No Information |
| pH | Not measured |
| Melting point / freezing point (°C) | Not measured |
| Boiling point or initial boiling point and boiling range (°C) | 150 - N.D. |

| | |
|-----------------------------------------------|----------------------------------------------------------------|
| Flash Point, (°C) | 190 |
| Evaporation rate | Not measured |
| Flammability (solid, gas) | Not measured |
| Lower and upper explosive limit | N/A - N/A |
| Vapour Pressure | < 0.00000319 hPa at 20 °C (for hexamethylene-1,6-diisocyanate) |
| Relative vapour density | Not measured |
| Density and/or relative density | ~1.06 at 20°C |
| Solubility in / Miscibility with water | Insoluble |
| Partition coefficient: n-octanol/water | Not measured |
| Auto-ignition temperature (°C) | Not measured |
| Decomposition temperature (°C) | Not measured |
| Viscosity | Not measured |

9.2 Other information

| | |
|---------------------------------|-------|
| VOC Content g/l: | <10 |
| Specific Gravity (g/cm3) | 1.060 |

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water. Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

No Information

10.5 Incompatible materials

Reacts violently with water. Amines.

10.6 Hazardous decomposition products

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1 Information on toxicological effects**Acute Toxicity:**

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

Irritation: Causes mild skin irritation.

Corrosivity: Not corrosive.

Sensitization: May cause sensitization by inhalation.

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> |
|----------------|----------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|------------------------|-----------------|-----------------------|
| 37273-56-6 | Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene | > 5000 mg/kg (rat) | | >3820 mg/L, 4 hr (rat) | 0.000 | 0.000 |
| 28182-81-2 | Hexamethylene-1,6-diisocyanate homopolymer | > 2500 mg/kg (rat) | > 2001 mg/kg (rat) | 18500 mg/kg | | |
| 160994-68-3 | Hydrophilic aliphatic polyisocyanate | > 2000 mg/kg (rat) | | | 0.000 | 0.000 |
| 584-84-9 | 4-methyl-m-phenylene diisocyanate | 5110 mg/kg (rat) | >9400 mg/kg (rat) | 0.48 mg/L, 1 hr (rat) | 0.000 | 0.000 |

Additional Information:

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

11.2 Information on other hazards

Endocrine disrupting properties - Toxicity

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

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

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.**

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

12.7 Other adverse effects: No information

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|----------------------------------------------------------------------------------------------------------------------|------------------|------------------|--------------------------|
| 37273-56-6 | Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 2,4-diisocyanato-1-methylbenzene | No information | No information | No information |
| 28182-81-2 | Hexamethylene-1,6-diisocyanate homopolymer | > 100 mg/l | > 1000 mg/l | > 100 mg/l (danio rerio) |
| 160994-68-3 | Hydrophilic aliphatic polyisocyanate | No information | No information | No information |
| 584-84-9 | 4-methyl-m-phenylene diisocyanate | No information | No information | No information |

SECTION 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.

European Waste Code: 080501

Packaging Waste Code: 150110

SECTION 14: Transport Information

| | |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 14.1 UN number | Not applicable |
| 14.2 UN proper shipping name | Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations. |
| Technical name | Not applicable |
| 14.3 Transport hazard class(es) | Not applicable |
| Subsidiary shipping hazard | Not applicable |
| 14.4 Packing group | Not applicable |
| 14.5 Environmental hazards | Not applicable |
| 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 |

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: | 3 |
| Directive 2004/42/CE : | <10 |
| 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:**

| | |
|------|----------------------------------------------------------------------------|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H332 | Harmful if inhaled. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer. |
| H412 | Harmful to aquatic life with long lasting effects. |

Reasons for revision

Revision Description Changed

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

- 01 - Identification
- 02 - Hazard Identification
- 08 - Exposure Controls/Personal Protection
- 14 - Transportation Information
- 15 - Regulatory Information

Revision Statement(s) Changed

This is a new Safety Data Sheet (SDS).

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

Acronym & Abbreviation Key:

| | |
|--------|---------------------------------------------------------------------------------------------------------------|
| CLP | Classification, Labeling & Packaging Regulation |
| EC | European Commission |
| EU | European Union |
| US | United States |
| CAS | Chemical Abstract Service |
| EINECS | European Inventory of Existing Chemical Substances |
| REACH | Registration, Evaluation, Authorization of Chemicals Regulation |
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals |
| LTEL | Long term exposure limit |
| STEL | Short term exposure limit |
| OEL | Occupational exposure limit |
| ppm | Parts per million |
| mg/m3 | Milligrams per cubic meter |
| TLV | Threshold Limit Value |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| OSHA | Occupational Safety & Health Administration |
| PEL | Permissible Exposure Limits |
| VOC | Volatile organic compounds |
| g/l | Grams per liter |
| mg/kg | Milligrams per kilogram |
| N/A | Not applicable |
| LD50 | Lethal dose at 50% |
| LC50 | Lethal concentration at 50% |
| EC50 | Half maximal effective concentration |
| IC50 | Half maximal inhibitory concentration |
| PBT | Persistent bioaccumulative toxic chemical |
| vPvB | Very persistent and very bioaccumulative |
| EEC | European Economic Community |
| ADR | International Transport of Dangerous Goods by Road |
| RID | International Transport of Dangerous Goods by Rail |
| UN | United Nations |
| IMDG | International Maritime Dangerous Goods Code |
| IATA | International Air Transport Association |
| MARPOL | International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 |
| IBC | International Bulk Container |
| RTI | Respiratory Tract Irritation |
| NE | Narcotic Effects |
| IMO | International Maritime Organization |

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.