

| SECTION 1: Identification of the substance/mixture and of the company/undertaking | | | | |
|--|--|--|--|--|
| 1.1 Product identifier Trade name : Insulin Porcine (with Metacresol) Formulation | | | | |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | | | | |
| Use of the Sub- : Veterinary product stance/Mixture | | | | |
| Recommended restrictions : Not applicable on use | | | | |
| 1.3 Details of the supplier of the safety data sheet | | | | |
| Company : MSD 20 Spartan Road 1619 Spartan, South Africa | | | | |
| Telephone : +27119239300 | | | | |
| E-mail address of person : EHSDATASTEWARD@msd.com responsible for the SDS | | | | |

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|--|---|----------------|--------------------------|
| Insulin (ox), 8A-I-threonine-10A-I- isoleucine- | 12584-58-6 235-703-3 | | >= 0,1 - < 1 |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

| Protection of first-aiders | : | No special precautions are necessary for first aid responders. |
|----------------------------|---|---|
| If inhaled | : | If inhaled, remove to fresh air. Get medical attention if symptoms occur. |
| In case of skin contact | : | Wash with water and soap as a precaution. Get medical attention if symptoms occur. |
| In case of eye contact | : | Flush eyes with water as a precaution. Get medical attention if irritation develops and persists. |
| If swallowed | : | If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water. |

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment
- : Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

| Suitable extinguishing media | : | Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical |
|--------------------------------|---|---|
| Unsuitable extinguishing media | : | None known. |



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| 5.2 | • | hazards arising from | | | |
| | Specific fighting | • | : | Exposure to comb | oustion products may be a hazard to health. |
| | Hazard ucts | ous combustion prod- | : | No hazardous cor | nbustion products are known |
| 5.3 | Advice | for firefighters | | | |
| | Specia for firef | l protective equipment ighters | : | | ed breathing apparatus for firefighting if nec- onal protective equipment. |
| | Specifi ods | c extinguishing meth- | : | cumstances and t Use water spray t | measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| Personal precautions | : Follow safe handling advice (see section 7) and personal pro- | |
|----------------------|---|--|
| | tective equipment recommendations (see section 8). | |

6.2 Environmental precautions

| Environmental precautions | : | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained. |
|---------------------------|---|--|
|---------------------------|---|--|

6.3 Methods and material for containment and cleaning up

| mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. | Methods for cleaning up Soak up with inert absorbent material. For large spills, provide dyking or other appropriate cont ment to keep material from spreading. If dyked material be pumped, store recovered material in appropriate cont Clean up remaining materials from spill with suitable abs bent. Local or national regulations may apply to releases and posal of this material, as well as those materials and iter employed in the cleanup of releases. You will need to de | an ainer. or- lis- lis ter- |
|---|---|--|
|---|---|--|

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.



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SECTION 7: Handling and storage

7.1 Precautions for safe handling

| Technical measures | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. |
|-------------------------|--|
| Local/Total ventilation | : Use only with adequate ventilation. |
| Advice on safe handling | : Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment |
| | Take care to prevent spills, waste and minimize release to the environment. |
| Hygiene measures | : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. |
| | The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls. |
| | |

7.2 Conditions for safe storage, including any incompatibilities

| Requirements for storage areas and containers | : | Keep in properly labelled containers. Store in accordance with the particular national regulations. |
|---|---|---|
| Advice on common storage | : | Do not store with the following product types: Strong oxidizing agents Gases |
| 3 Specific end use(s) | | |

7.3

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|--|------------|-------------------------------|--------------------|----------|
| Insulin (ox), 8A-I- threonine-10A-I- isoleucine- | 12584-58-6 | TWA | 3 μg/m3 (OEB 4) | Internal |

8.2 Exposure controls

Engineering measures

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Essentially no open handling permitted.

Use closed processing systems or containment technologies.





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|---------------|---------|--|-------|--|--|
| ta | ainmen | | l exi | | iosafety cabinet, fume hood, or other con- on. If this potential does not exist, handle |
| P | erson | al protective equipm | ent | | |
| E | ∃ye/fac | e protection | : | If the work environ mists or aerosols, Wear a faceshield | ses with side shields or goggles. nment or activity involves dusty conditions, , wear the appropriate goggles. d or other full face protection if there is a t contact to the face with dusts, mists, or |
| F | Hand p | rotection | | aerosois. | |
| | Mate | erial | : | Chemical-resistan | t gloves |
| | | arks d body protection tory protection | : | being performed (suits) to avoid exp Use appropriate d contaminated clot | aboratory coat. arments should be used based upon the task e.g., sleevelets, apron, gauntlets, disposable posed skin surfaces. legowning techniques to remove potentially |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| intermation on basic physical | an | a chemical properti |
|---|----|--|
| Appearance Colour Odour Odour Threshold | : | suspension white to off-white No data available No data available |
| рН | : | 6,9 - 7,8 |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | No data available |
| Flash point | : | No data available |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | Not applicable |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Vapour pressure | : | No data available |
| Relative vapour density | : | No data available |
| | | |



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|--|---------------------------------|--|--|
| Relative density | | : No data available | |
| De | ensity | : 1,003 g/cm ³ | |
| Solubility(ies) Water solubility Partition coefficient: n- octanol/water Auto-ignition temperature | | No data availableNot applicableNo data available | |
| De | composition temperature | : No data available | |
| Vis | scosity Viscosity, kinematic | : No data available | |
| Ex | plosive properties | : Not explosive | |
| O | idizing properties | : The substance or mixture is not classified as oxidizing. | |
| 9.2 Oth | er information | | |
| Fla | ammability (liquids) | : No data available | |
| Mo | blecular weight | : No data available | |
| Particle size | | : Not applicable | |

SECTION 10: Stability and reactivity

| | Reactivity Not classified as a reactivity haz | arc | J. |
|------|---|-----|---|
| 10.2 | Chemical stability | | |
| | Stable under normal conditions. | | |
| 10.3 | Possibility of hazardous react | tio | ns |
| | Hazardous reactions | : | Can react with strong oxidizing agents. |
| 10.4 | Conditions to avoid | | |
| | Conditions to avoid | : | None known. |
| 10.5 | Incompatible materials | | |
| | Materials to avoid | : | Oxidizing agents |
| | Hazardous decomposition pro | | |

SECTION 11: Toxicological information

11.1 Information on toxicological effects



| Information on likely routes of : Inhalation exposure Skin contact Ingestion Eye contact Acute toxicity Not classified based on available information. Product: Acute oral toxicity Acute toxicity estimate: > 2.000 mg/kg Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Method: Calculation method Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Method: Calculation method Scomponents: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Acute toxicity (other routes of : LD50 (Rat): > 36 mg/kg administration) Skin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks Remarks : No data available Stin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : Not data available Serious eye damage/eye irritation Not classified based on available information. Components:< | |
|---|--|
| Not classified based on available information. Product: Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Components: . Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Acute toxicity (other routes of : LD50 (Rat): > 36 mg/kg administration) Skin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: Components: Method: Calculation Not classified based on available information. Components: Mot classified based on available information. Components: Components: Mot classified based on available information. Components: Components: | |
| Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Components: . Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Acute toxicity (other routes of : LD50 (Rat): > 36 mg/kg administration) Skin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Not classified based on available information. Serious eye damage/eye irritation Not classified based on available information. Serious eye damage/eye irritation Not classified based on available information. Components: Method: Calculation Not classified based on available information. Components: Components: Method: Calculation Method: Calculation | |
| Method: Calculation method Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Acute toxicity (other routes of : LD50 (Rat): > 36 mg/kg administration) Skin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: Components: Method: Components: Not classified based on available information. Components: | |
| Method: Calculation method Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Acute toxicity (other routes of : LD50 (Rat): > 36 mg/kg administration) Skin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: Output Not classified based on available information. | |
| Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Acute toxicity (other routes of : LD50 (Rat): > 36 mg/kg administration) Skin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: | |
| Acute toxicity (other routes of : LD50 (Rat): > 36 mg/kg administration) Skin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: | |
| administration) Skin corrosion/irritation Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: | |
| Not classified based on available information. Components: Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: | |
| Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: | |
| Remarks : No data available Serious eye damage/eye irritation Not classified based on available information. Components: | |
| Serious eye damage/eye irritation Not classified based on available information. Components: | |
| Not classified based on available information. Components: | |
| Components: | |
| | |
| | |
| Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: | |
| Remarks : No data available | |
| Respiratory or skin sensitisation | |
| Skin sensitisation Not classified based on available information. | |
| Respiratory sensitisation Not classified based on available information. | |
| Germ cell mutagenicity Not classified based on available information. | |
| Components: | |
| Insulin (ox), 8A-I-threonine-10A-I-isoleucine-: | |
| Genotoxicity in vitro : Test Type: Bacterial reverse mutation assa Test system: Salmonella typhimurium Method: OECD Test Guideline 471 Result: negative | |



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| | | | Test system: Chi | nosome aberration test in vitro nese hamster lung cells Test Guideline 473 |
| Genot | oxicity in vivo | : | Cell type: Bone n | o micronucleus test narrow Test Guideline 475 |
| Germ sessm | cell mutagenicity- As- nent | : | Weight of eviden cell mutagen. | ce does not support classification as a germ |
| Carci | nogenicity | | | |
| | assified based on availa | able | information. | |
| Comp | oonents: | | | |
| | n (ox), 8A-I-threonine | .104 | -l-isoleucine- | |
| | ation Route sure time | : | Rat Subcutaneous 2 Years 180 µg/kg | |
| Carcir ment | nogenicity - Assess- | : | Weight of eviden cinogen | ce does not support classification as a car- |
| - | oductive toxicity assified based on availa | able | information. | |
| Comp | oonents: | | | |
| Insuli | n (ox), 8A-I-threonine- | -10A | -I-isoleucine-: | |
| Effect | s on fertility | : | Species: Rat Application Route Fertility: NOAEL Symptoms: No e | Mating/Fertility: 360 µg/kg ffects on fertility s on fertility and early embryonic develop- |
| | - single exposure assified based on availa | able | information. | |
| | - repeated exposure assified based on availa | able | information. | |
| Repe | ated dose toxicity | | | |
| Comr | oonents: | | | |
| | n (ox) 84 throoping | | | |

Insulin (ox), 8A-I-threonine-10A-I-isoleucine-:

| Species | : Rat |
|-------------------|--------------|
| - | : 5,8 mg/kg |
| Application Route | : Inhalation |



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| Exposure time Symptoms | | : 6 Months : Hypoglycemia | |
| Expo | ies cation Route sure time otoms | : Monkey : 0,64 mg/kg : Inhalation : 6 Months : Hypoglycemia | |
| | | : Rat : 0,085 mg/kg : Subcutaneous : 1 Months | |
| | | : Dog : 0,07 mg/kg : Subcutaneous : 1 Months | |

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

Insulin (ox), 8A-I-threonine-10A-I-isoleucine-:

Inhalation

: Symptoms: Hypoglycemia, Fatigue, Drowsiness, Sweating, Headache, Nausea, Palpitation, tingling, numbness, altered mental status, Breathing difficulties

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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| 12.6 Othe | r adverse effects | | | | | |
| Prod | uct: | | | | | |
| Endocrine disrupting poten- tial | | : | The substance/mixture does not contain components consid- ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. | | | |
| SECTION | 13: Disposal consi | dera | ations | | | |
| 13.1 Wast | e treatment methods | | | | | |
| Product Contaminated packaging | | : | Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer. Empty containers should be taken to an approved waste han- dling site for recycling or disposal. | | | |
| | | | | pecified: Dispose of as unused product. | | |
| SECTION | 14: Transport infor | mat | tion | | | |
| 14.1 UN n | umber | | | | | |
| ADN | | : | Not regulated as | a dangerous good | | |
| ADR | | : | Not regulated as | a dangerous good | | |
| RID | | : | Not regulated as | a dangerous good | | |
| IMDG | ì | : | Not regulated as | a dangerous good | | |
| ΙΑΤΑ | | : | Not regulated as | a dangerous good | | |
| 14.2 UN p | roper shipping name | | | | | |
| ADN | | : | Not regulated as | a dangerous good | | |
| ADR | | : | Not regulated as | a dangerous good | | |
| RID | | : | Not regulated as | a dangerous good | | |
| IMDG | ì | : | Not regulated as | a dangerous good | | |
| ΙΑΤΑ | | : | Not regulated as | a dangerous good | | |
| 14.3 Trans | sport hazard class(es) | | | | | |
| ADN | | : | Not regulated as | a dangerous good | | |
| ADR | | : | Not regulated as | a dangerous good | | |
| RID | | : | Not regulated as | a dangerous good | | |
| IMDG | ì | : | Not regulated as | a dangerous good | | |
| ΙΑΤΑ | | : | Not regulated as | a dangerous good | | |
| 14.4 Pack | ing group | | | | | |



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| | | | |
| ADN | | : Not regulated as a dangerous good | |
| ADR | | : Not regulated as a dangerous good | |
| RID | | : Not regulated as a dangerous good | |
| IMDG | i | : Not regulated as a dangerous good | |
| ΙΑΤΑ | (Cargo) | : Not regulated as a dangerous good | |
| ΙΑΤΑ | (Passenger) | : Not regulated as a dangerous good | |
| 14.5 Envir | onmental hazards | | |
| Not re | egulated as a dangerou | s good | |
| 14.6 Spec | ial precautions for us | er | |
| Not a | oplicable | | |
| 14.7 Trans | sport in bulk accordir | g to Annex II of Marpol and the IBC Code | |
| Rema | ırks | : Not applicable for product as supplied. | |
| SECTION | 15. Regulatory inf | armation | |

SECTION 15: Regulatory information

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

| The components of this product are reported in the following inventories: | | | | |
|---|------------------|--|--|--|
| AICS | : not determined | | | |
| DSL | : not determined | | | |
| IECSC | : not determined | | | |

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Other information : Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Agency



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Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

| Sources of key data used to | Internal technical data, data from raw material SDSs, OECD |
|-----------------------------|--|
| compile the Safety Data | eChem Portal search results and European Chemicals Agen- |
| Sheet | cy, http://echa.europa.eu/ |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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