| | Safety Data Sheet | Page 1/3 |
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| Printing date 23.07.2010 | Safety Data Sheet according to 1907/2006/EC, Article 31 | Revision: 23.07.2010 |
| 1 Identification of substance | | |
| Product details | 25 Dichlerenhand isothisovenets | |
| Trade name Stock number: | 3,5-Dichlorophenyl isothiocyanate B20687, L10172 | |
| Manufacturer/Supplier: | Alfa Aesar GmbH & Co.KG Benzstrasse 3 D-76185 Karlsruhe / Germany | E-mail: gcat@matthey.com www.alfa-chemcat.com |
| Informing department: Emergency information: | Product safety department. Giftnotruf Universität Mainz / Poison Information Center Mainz www.giftinfo.uni-mainz.de Telefon:+49(0)6131/19240 | |
| 2 Hazards identification | | |
| Hazard designation: | C Corrosive | |
| Information pertaining to particular dangers for man and environment | R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed. | |
| GHS label elements | R 34 Causes búrns. | |
| | Danger | |
| | H314 - Causes severe skin burns and eye damage. | |
| | Warning | |
| | H302 - Harmful if swallowed. H312 - Harmful in contact with skin. | |
| Prevention: | H332 - Harmful if inhaled. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. | |
| Response: | P303+P361+P353 IF ON SKIN (or hair): Remove/Take off Immediately all co | ontaminated clothing. Rinse skin |
| | with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minu present and easy to do. Continue rinsing. | tes. Remove contact lenses, if |
| Storage: Disposal: | P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/nation | al/international regulations. |
| 3 Composition/information on ingredients | 3 | |
| Chemical characterization: Designation: (CAS#) | 3,5-Dichlorophenyl isothiocyanate (CAS# 6590-93-8): 100% | |
| 4 First aid measures | | |
| General information | Instantly remove any clothing soiled by the product. | |
| After inhalation | Supply fresh air. If required, provide artificial respiration. Keep patient warm. persist. | . Consult doctor if symptoms |
| After skin contact | Seek immediate medical advice. Instantly wash with water and soap and rinse thoroughly. | |
| After eye contact | Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult do | octor. |
| After swallowing | Seek immediate medical advice. | |
| 5 Fire fighting measures Suitable extinguishing agents | CO2, sand, extinguishing powder. Do not use water. | |
| For safety reasons unsuitable extinguishing agents | Water. | |
| Special hazards caused by the material, its products of combustion or flue gases: | Can be released in case of fire: | |
| p | Carbon monoxide and carbon dioxide | |
| | Nitrogen cyanide (HCN) Sulphur oxides (SOx) Hydrogen chloride (HCI) | |
| Protective equipment: | wear self-contained breathing apparatus. | |
| | Wear full protective suit. | |
| 6 Accidental release measures Person-related safety precautions: | Wear protective equipment. Keep unprotected persons away. | |
| Measures for environmental protection: | Ensure adequate ventilation Do not allow material to be released to the environment without proper gove | rnmental nermits |
| Measures for cleaning/collecting: | Use neutralizing agent. Dispose of contaminated material as waste according to item 13. | innontai poinnite. |
| Additional information: | Ensure adequate ventilation. | |
| | See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal. | |
| 7 Handling and storage | | |
| Handling Information for safe handling: | Handle under dry protective gas. | |
| | Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. | |
| Information about protection against | Ensure good ventilation/exhaustion at the workplace. | |
| explosions and fires: Storage | Keep ignition sources away - Do not smoke. | |
| Requirements to be met by storerooms and containers: | No special requirements. | |
| Information about storage in one common storage facility: | Store away from water. | |
| Further information about storage | Store away from oxidizing agents. | |
| conditions: | Store under dry inert gas. This product is moisture sensitive. | |
| | Keep container tightly sealed. | (Contd. on page 2) GB |
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| Trade name 3,5-Dichlorophenyl isothiocyanate | | | |
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| | (Contd. of page 1) | | |
| | Store in cool, dry conditions in well sealed containers. Protect from humidity and keep away from water. | | |
| | Store in a locked cabinet or with access restricted to technical experts or their assistants. | | |
| 8 Exposure controls and personal protect Additional information about design of | tion | | |
| technical systems: | Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. | | |
| Components with critical values that require monitoring at the workplace: Additional information: | e Not required. No data | | |
| Personal protective equipment General protective and hygienic measures Breathing equipment: | The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Use breathing protection with high concentrations. | | |
| Protection of hands: Material of gloves Penetration time of glove material Eye protection: | Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses | | |
| | Tightly sealed safety glasses. Face protection Full face protection | | |
| Body protection: | Protective work clothing. | | |
| 9 Physical and chemical properties: General Information | | | |
| Form: | Solid. | | |
| Colour: Smell: | White Irritant | | |
| Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: | 44-48°C 137-138°C (9 mmHg) Not determined | | |
| Flash point: | > 110°C | | |
| Ignition temperature: | Not determined Not determined | | |
| Decomposition temperature: Danger of explosion: | Product is not explosive. | | |
| Critical values for explosion: Lower: Upper: | Not determined Not determined | | |
| Steam pressure: | Not determined | | |
| Density Solubility in / Miscibility with | Not determined | | |
| Water: | Hydrolyzes | | |
| 10 Stability and reactivity Thermal decomposition / conditions to be avoided: Materials to be avoided: | No decomposition if used and stored according to specifications. Water/moisture Alcohols Amines | | |
| Dangerous reactions: Dangerous products of decomposition: | Oxidizing agents No dangerous reactions known Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Hydrogen cyanide (prussic acid) Sulphur oxides (SOx) Hydrogen chloride (HCI) | | |
| 11 Toxicological information Acute toxicity: Primary irritant effect: on the skin: on the eye: Sensitization: Additional toxicological information: | Corrosive effect on skin and mucous membranes. Strong corrosive effect. No sensitizing effect known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. Danger by skin resorption. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. | | |
| 12 Ecological information: Additional ecological information: General notes: | Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits. | | |
| 13 Disposal considerations Product: Recommendation | Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. (Contd. on page 3) | | |
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| ade name 3,5-Dichlorophenyl isothi | ocyanate | |
| | Consult state, local or national regulations for proper disposal. | (Contd. of page |
| Uncleaned packagings: Recommendation: | Disposal must be made according to official regulations. | |
| 4 Transport information | | |
| Land transport ADR/RID and GGVS/GGV | E (cross-border/domestic) | |
| | | |
| ADR/RID-GGVS/E Class: | 8 (CT2) Corrosive substances. | |
| Kemler Number: UN-Number: | 86 2923 | |
| Packaging group: Label | III 8+6.1 | |
| Designation of goods: | 2923 CORROSIVE SOLID, TOXIC, N.O.S. (3,5-Dichlorophenyl isothiocyanate) | |
| Limited quantities (LQ) Transport category | LQ24 3 | |
| Tunnel restriction code | E | |
| Maritime transport IMDG/GGVSea: | | |
| $\langle \rangle$ | | |
| IMDG/GGVSea Class: UN Number: | 8 2923 | |
| Label | 8+6.1 | |
| Packaging group: Marine pollutant: | III No | |
| Correct technical name: | CORROSIVE SOLID, TOXIC, N.O.S. (3,5-Dichlorophenyl isothiocyanate) | |
| Air transport ICAO-TI and IATA-DGR: | | |
| | | |
| ICAO/IATA Class: | 8 | |
| UN/ID Number: Label | 2923 8+6.1 | |
| Packaging group: Correct technical name: | III CORROSIVE SOLID, TOXIC, N.O.S. (3,5-Dichlorophenyl isothiocyanate) | |
| UN "Model Regulation": | UN2923, CORROSIVE SOLID, TOXIC, N.O.S., 8 (6.1), III | |
| 5 Regulatory information | | |
| Designation according to EC guidelines: | | |
| Code letter and hazard designation of | | |
| product: | C Corrosive | |
| | | |
| Risk phrases: | 20/21/22 Harmful by inhalation, in contact with skin and if swallowed. 34 Causes burns. | |
| Safety phrases: | In case of contact with eyes, rinse immediately with plenty of water and se 36/37/39 Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately possible). | |
| National regulations | | |
| Information about limitation of use: | For use only by technically qualified individuals. | |
| Water hazard class: | Employment réstrictions concerning young persons must be observed. Water hazard class 1 (Self-assessment): slightly hazardous for water. | |
| C Other information. | | |
| 6 Other information: Employers should use this information only this information to ensure proper use and p not in conformance with this Material Safety | as a supplement to other information gathered by them, and should make independent j rotect the health and safety of employees. This information is furnished without warranty / Data Sheet, or in combination with any other product or process, is the responsibility of | udgement of suitability of , and any use of the prode the user. |
| | neet: Health, Safety and Environmental Department. Zachariah Holt | |
| Contact: Abbreviations and acronyms: | | cerning the International Carriage |
| - | RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regi Transport of Dangerous Goods by Rail) | ulations Concerning the Internation |
| | IMDG: International Maritime Code for Dangerous Goods | |
| | ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement con Dangerous Goods by Road) RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regu Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Code Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society) | |
| | GHS: Globally Harmonized System of Classification and Labelling of Chemicals | |

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