





| Product name: Tritylamine | | | |
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| Information for doctor | | (Contd. of page 1) | |
| Indication of any immediate medical | ts, both acute and delayed No further relevant information available. attention and special treatment needed No further relevant information available. | | |
| 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon Special hazards arising from the sub If this product is involved in a fire, the for Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. | n dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. stance or mixture Jlowing can be released: | | |
| 6 Accidental release measures Personal precautions, protective equ Wear protective equipment. Keep unpre Ensure adequate ventilation Environmental precautions: Do not a Methods and material for containmen Prevention of secondary hazards: No Reference to other sections See Section 7 for information on safe h See Section 8 for information on person See Section 13 for disposal information | otected persons away. The fourth of any water course. Ilow product to reach sewage system or any water course. Int and cleaning up: Ensure adequate ventilation. In special measures required. andling | | |
| Conditions for safe storage, includin Storage Requirements to be met by storerool | e. explosions and fires: No information known. g any incompatibilities ms and receptacles: No special requirements. nmon storage facility: Store away from oxidizing agents. onditions: led containers. | | |
| 8 Exposure controls/personal prot | | | |
| Additional information about design of technical systems: | | | |
| Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. | | | |
| Additional information: No data | | | |
| Recommended filter device for short Use a respirator with type N95 (USA) o purifying respirators are appropriate. O Protection of hands: Impervious gloves Check protective gloves prior to each u | handling chemicals should be followed. and feed. bring immediately. and of work. working environment. spirator when high concentrations are present. term use: r PE (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to dea inly use equipment tested and approved under appropriate government standards. se for their proper condition. y depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. | termine if air- | |
| 9 Physical and chemical properties | S | | |
| Information on basic physical and ch General Information Appearance: Form: | | | |
| Color: | Crystalline powder White to cream Not dotermined | | |
| Odor: Odor threshold: | Not determined Not determined. | | |
| pH-value: | Not applicable. | | |
| Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: | 100-104 °C (212-219 °F) 223 °C (433 °F) (14mm) Not determined Not determined. Not determined | (Contd. on page 3) | |
| L | | USA USA | |

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| | | viewed 011 03/31/2013 |
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| Product name: Tritylamine | | |
| Decomposition temperature: | Not determined | (Contd. of page 2) |
| Auto igniting: | Not determined. | |
| Danger of explosion: Explosion limits: | Not determined. | |
| Lower: Upper: | Not determined Not determined | |
| Vapor pressure: | Not applicable. | |
| Density: Relative density | Not determined Not determined. | |
| Vapor density Evaporation rate | Not applicable. Not applicable. | |
| Solubility in / Miscibility with | | |
| Water: Partition coefficient (n-octanol/water): Viscosity: | Not determined Not determined. | |
| Viscosity: dynamic: | Not applicable. | |
| kinematic: Other information | Not applicable. No further relevant information available. | |
| | | |
| 0 Stability and reactivity Reactivity No information known. | | |
| Chemical stability Stable under recomm | mended storage conditions. to be avoided: Decomposition will not occur if used and stored according to specifications. | |
| Possibility of hazardous reactions Rea | eacts with strong oxidizing agents | |
| Conditions to avoid No further relevant Incompatible materials: Oxidizing agen | t information available. | |
| Hazardous decomposition products: | 115 | |
| Carbon monoxide and carbon dioxide Nitrogen oxides | | |
| 1 Toxicological information | | |
| Information on toxicological effects | | |
| Acute toxicity: No effects known. LD/LC50 values that are relevant for cl | Maccification. No data | |
| Skin irritation or corrosion: Causes ski | kin irritation. | |
| Eye irritation or corrosion: Causes sen Sensitization: No sensitizing effects kno | own. | |
| Germ cell mutagenicity: No effects kno | own. | |
| Reproductive toxicity: No effects know | on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. | |
| Specific target organ system toxicity - | repeated exposure: No effects known. single exposure: May cause respiratory irritation. | |
| Aspiration hazard: No effects known. | | |
| Subacute to chronic toxicity: No effect Additional toxicological information: | ts known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. | |
| 12 Ecological information | | |
| Toxicity | | |
| Aquatic toxicity: No further relevant info | ormation available. | |
| Persistence and degradability No furth Bioaccumulative potential No further re | ier relevant information available. relevant information available. | |
| Mobility in soil No further relevant inforr Additional ecological information: | mation available. | |
| General notes: | | |
| Avoid transfer into the environment. | quantities to reach ground water, water course or sewage system. | |
| Results of PBT and vPvB assessment | t | |
| PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva | · · · · · · · · · · · · · · · · · · · | |
| Other adverse effects No further releval | | |
| 13 Disposal considerations Waste treatment methods | | |
| | or national regulations to ensure proper disposal. | |
| Uncleaned packagings: Recommendation: Disposal must be ma | с , , , , , , , , , , , , , , , , , , , | |
| · · · · · · · · · · · · · · · · · · · | | |
| 14 Transport information UN-Number | | |
| DOT, ADN, IMDG, IATA | Not applicable | |
| UN proper shipping name DOT, ADN, IMDG, IATA | Not applicable | |
| Transport hazard class(es) | | |
| DOT, ADR, ADN, IMDG, IATA Class | Not applicable | |
| Packing group DOT, IMDG, IATA | Not applicable | |
| Environmental hazards: | Not applicable | |
| Special precautions for user | Not applicable. | |
| Transport in bulk according to Annex | (II of MARPOL73/78 and the IBC Code Not applicable. | |
| | | (Contd. on page |
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Safety Data Sheet per OSHA HazCom 2012

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| Product name: Tritylamine | |
| | (Contd. of page 3) |
| Transport/Additional information: | |
| DOT Marine Pollutant (DOT): | No |
| UN "Model Regulation": | - |
| | |
| 15 Regulatory information Safety, health and environmental regula GHS label elements The product is classi Hazard pictograms | ations/legislation specific for the substance or mixture ified and labeled in accordance with 29 CFR 1910 (OSHA HCS) |
| GHS07 | |
| P280 Wear protective gloves, P305+P351+P338 IF IN EYES: Rinse caut P305+P351+P338 IF IN EYES: Rinse caut P305+P351 IF INHALED: Remove p P405 Store locked up. P501 Dispose of contents/con National regulations This product is not listed in the U.S. Enviro to research and development only. This pro product must not be used for commercial p This product is not listed on the Canadian I SARA Section 313 (specific toxic chemi California Proposition 65 Prop 65 - Developmental toxicity, female Prop 65 - Developmental toxicity, female Sinformation about limitation of use: For Other regulations, limitations and prohi Substance of Very High Concern (SVHC) The conditions of restrictions according market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (r | ncer Substance is not listed. |
| conformation to ensure proper use and prote conformance with this Material Safety Data | y as a supplement to other information gathered by them, and should make independent judgement of suitability of this ect the health and safety of employees. This information is furnished without warranty, and any use of the product not in a Sheet, or in combination with any other product or process, is the responsibility of the user. |
| Department issuing SDS: Global Marketin Date of preparation / last revision 11/23/ Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandise DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the Americ HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information Sys LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industria OSHA: Occupational Safety and Health Administration (U NTP: National Toxicology Program (USA) ARC: International Agency for Research on Cancer | /2015 / - es dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) :an Chemical Society) rstem (Canada) |

NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)