

Safety Data Sheet per OSHA HazCom 2012



(Contd. of page 1) 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available. 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Silicon oxide Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Keep away from ignition sources. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Prevention of secondary hazards: Keep away from ignition sources. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information. Personal precautions, protective equipment and emergency procedures 7 Handling and storage Handling Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture. Keep ignition sources away. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Store in a cool location. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection 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: Not required. Additional information: No data Exposure controls Personal protective equipment Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition Impervious gioves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. **Penetration time of glove material (in minutes)** Not determined **Eye protection:** Safety glasses **Body protection:** Protective work clothing. USA

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9 Physical and chemical properties	3	
Information on basic physical and ch General Information Appearance:	emical properties	
Form: Color: Odor:	Liquid Colorless Not determined	
Odor threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 132-133 °C (270-271 °F) Not determined	
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	13 °C (55 °F) Not determined. Not determined Not determined Not determined.	
Danger of explosion: Explosion limits: Lower:	Product is not explosive. However, formation of explosive air/vapor mixtures is possible. Not determined	
Upper: Vapor pressure: Density at 20 °C (68 °F):	Not determined Not determined 0.751 g/cm³ (6.267 lbs/gal)	
Relative density` Vapor density Evaporation rate Solubility in / Miscibility with	Not determined. Not determined. Not determined.	
Water: Partition coefficient (n-octanol/water) Viscosity:		
dynamic: kinematic: Other information	Not determined. Not determined. No further relevant information available.	
Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Silicon oxide		
11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Subacute to chronic toxicity: No effects known. Subacute to chronic toxicity: No effecte known. Subacute to chronic toxicity: No effects k		
12 Ecological information Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available.		
13 Disposal considerations Waste treatment methods Recommendation Consult state, local of	or national regulations to ensure proper disposal	
Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.		
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4 Transport information		
UN-Number DOT, IMDG, IATA	UN1993	
UN proper shipping name	01/1995	
DOT IMDG. IATA	Flammable liquids, n.o.s. (Bis(trimethylsilyl)methane) FLAMMABLE LIQUID, N.O.S. (Bis(trimethylsilyl)methane)	
Transport hazard class(es)		
DOT		
Class	3 Flammable liquids.	
Label Class	3 (F1) Flammable liquids	
Label IMDG, IATA	3	
Class	3 Flammable liquids. 3	
Label Deckiew www.	3	
Packing group DOT, IMDG, IATA	11	
Environmental hazards:	Not applicable.	
Special precautions for user	Warning: Flammable liquids	
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information:		
DOT		
Marine Pollutant (DOT):	No	
UN "Model Regulation":	UN1993, Flammable liquids, n.o.s., special provision 640D (Bis(trimethylsilyl) methane), 3, II	
market and use must be observed	lothing. Rinse skin with water/shower. Is. Remove contact lenses, if present and easy to do. Continue rinsing. ional/national/international regulations. Agency Toxic Substances Control Act Chemical substance Inventory. stances List (NDSL). It. Ividuals. Ividuals. Inter Regulation (EC) No. 1907/2006. Substance is not listed. Ithe Regulation (EC) No. 1907/2006 (REACH) for the manufacturing, placing on the	
Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Su Chemical safety assessment: A Chemical Safety Assessment has not been 6 Other information Employers should use this information only as a supplement to other informatio	ion gathered by them, and should make independent judgement of suitability of this	
information to ensure proper use and protect the health and safety of employee conformance with this Material Safety Data Sheet, or in combination with any of	es." This information is furnished without warranty, and any use of the product not in	
Department issuing SDS: Global Marketing Department	other product or process, is the responsibility of the user.	
Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreemen IMD6: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA)	other product or process, is the responsibility of the user.	

- WHIMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent VPB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

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USA