

Safety Data Sheet per OSHA HazCom 2012



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Product name: Dichlorodiethylsilane

After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. 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 Causes server skin burns. Causes serve edamage. Indication of any immediate medical attention and special treatment needed No further relevant information available.	(Contd. of page 1)
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents CO2, sand, extinguishing powder. Do not use water. For safety reasons unsuitable extinguishing agents Water Special hazards arising from the substance or mixture Reacts violently with water If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Silicon oxide Hydrogen chloride (HCI) 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). Use neutralizing agent. Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents Prevention of secondary hazards: Keep away from ignition sources. Reference to other sections See Section 7 for information on personal protection equipment. See Section 13 for disposal information. 	
7 Handling and storage Handling Precautions for safe handling Handle under dry protective gas. 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: No special requirements. Information about storage in one common storage facility: Store away from widzing agents. Store away from strong bases. Store away from strong bases. Store away from storage conditions: This product is moisture sensitive. Protect from humidity and water. 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 minut Control parameters Components with limit values that require monitoring at the workplace: Not required. Additional information: No data Exposure controls 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. Work bando bardo bardo for the one of work of the one of work of the one	e.

Remove all solled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment.

Product name: Dichlorodiethvlsilane

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pirator when high concentrations are present. e for their proper condition. depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined ng.	(Contd. of page 2)
emical properties Liquid Colorless Acrid Not determined.	
Not determined.	
-97 °C (-143 °F) 129-131 °C (264-268 °F) Not determined 28 °C (82 °F)	
Not determined Not determined Not determined Not determined.	
Product is not explosive. However, formation of explosive air/vapor mixtures is possible. 1.13 Vol % Not determined 1.055 g/cm ³ (8.804 lbs/gal) Not determined. Not determined. Reacts violently Not determined.	
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10 Stability and reactivity

Reactivity Reacts violently with water. 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 Reacts violently with water Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Bases Water/moisture Hazardous decomposition products: Carbon monoxide and carbon dioxide Silicon oxide

Hydrogen chloride (HCl)

11 Toxicological information

Information on toxicological effects

Information on toxicological effects Acute toxicity: Swallowing will lead to a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes severe skin burns. Eye irritation or corrosion: Causes serious eye damage. Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known.

Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Subacute to chronic toxicity: Organic silicon compounds are generally of low toxicity. Those exhibiting moisture sensitivity may be strongly irritating or corrosive on contact. Additional toxicological information: 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 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 material to be released to the environment without proper governmental permits.

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Product name: Dichlorodiethylsilane		
Do not allow undiluted product or large quantities to reach ground water, was 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.	(Contd. of	page 3)
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure prop Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.		
14 Transport information		
UN-Number DOT, IMDG, IATA	UN1767	
UN proper shipping name DOT IMDG, IATA	Diethyldichlorosilane DIETHYLDICHLOROSILANE	
Transport hazard class(es) DOT Class Label	8 Corrosive substances. 8+3	
Class Label IMDG, IATA Class	8 (CF1) Corrosive substances 8+3 8 Corrosive substances.	
Label	8+3	
Packing group DOT, IMDG, IATA	11	
Environmental hazards:	Not applicable.	
Special precautions for user Segregation groups	Warning: Corrosive substances Acids	
Transport in bulk according to Annex II of MARPOL73/78 and the IBC C Transport/Additional information:	Code Not applicable.	
DOT		
Marine Pollutant (DOT): UN "Model Regulation":	No UN1767, Diethyldichlorosilane, 8 (3), II	
15 Regulatory information Safety, health and environmental regulations/legislation specific for the GHS label elements The product is classified and labeled in accordance with Hazard pictograms GHS02 GHS05	e substance or mixture ith 29 CFR 1910 (OSHA HCS)	
Signal word Danger Hazard statements H226 Flammable liquid and vapour. H314 Causes severe skin burns and eye damage. Precautionary statements P280 Wear protective gloves/protective clothing/eye protection. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minu P310 Immediately call a POISON CENTER/doctor/ P402+P404 Store in a dry place. Store in a closed container. National regulations All components of this product are listed in the U.S. Environmental Protectio All components of this product are listed on the Canadian Non-Domestic Sui SARA Section 313 (specific toxic chemical listings) Substance is not listed. Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, meale Substance is not listed. Prop 65 - Developmental toxicity, meale Substance is not listed. Prop 65 - Developmental toxicity, meale Substance is not listed. Prop 65 - Developmental toxicity, meale Substance is not listed. Prop 65 - Developmental toxicity, meale Substance is not listed. Prop 65 - Developmental toxicity, meale Substance is not listed. Prop 65 - Developmental toxicity, meale Substance is not listed. Information about limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regu The conditions of restrictions according to Article 67 and Annex XVI of market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Chemical safety assessment: A Chemical Safety Assessment has not bee	l clothing. Rinse skin with water/shower. Ites. Remove contact lenses, if present and easy to do. Continue rinsing. On Agency Toxic Substances Control Act Chemical substance Inventory. Ibstances List (NDSL). ed. ndividuals. ulations (EC) No. 1907/2006. Substance is not listed. If the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing c	on the

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16 Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Conformance with this Material Safety Data Sheet, or in combination with any 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:

RID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Civil Aviation Organization" (IATA)
ICAO: The retinational Civil Aviation Organization
ICAO: Thermational Maritime Code for Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transport Association
IATA: International Air Transp

USA