

Safety Data Sheet per OSHA HazCom 2012



Product name: Diethoxymethylsilane

Product name: Diethoxymethylsilane	
	(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 Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After skin contact Immediate medical advice. 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 product to reach sewage system or any water course. Methods and material for containment and cleaning up: 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 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: Store in a cool location. Information about storage in one common storage facility: Store away from water/moisture. Store away from oxidizing agents. Further information about storage conditions: Store under dry inert gas. This product is moisture sensitive. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from humidity and water. Specific end use(s) No further relevant information available.	
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: 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 Exposure controls Personal protective equipment General 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 solid and contaminated clothing immediately.	

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. Recommended filter device for short term use: Use a respirator with organic vapor/acid gas cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU). Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. (Contd. on page)

(Contd. on page 3)

Safety Data Sheet per OSHA HazCom 2012		Page 3/5 Printing date 11/23/2015 Reviewed on 03/04/2015	
Product name: Diethoxymethylsilane	e		
	v depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. r (Viton) minutes) 480	(Contd. of page 2)	
9 Physical and chemical properties	· · · · · · · · · · · · · · · · · · ·		
Information on basic physical and che General Information Appearance: Form: Color: Odor:	emical properties Liquid Colorless Not determined		
Odor threshold:	Not determined.		
	Not determined.		
Boiling point/Boiling range: Sublimation temperature / start:	Not determined 94-95 °C (201-203 °F) Not determined		
Ignition temperature: Decomposition temperature: Auto igniting:	10 °C (50 °F) Not determined. Not determined Not determined Not determined.		
Explosion limits: Lower: Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water): Viscosity: dynamic: kinematic:	Product is not explosive. However, formation of explosive air/vapor mixtures is possible. Not determined Not determined 0.84 g/cm³ (7.01 lbs/gal) Not determined. Not determined.		
10 Stability and reactivity Reactivity No information known. 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 with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Water/moisture 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 - single exposure: May cause respiratory irritation. Subacute to chronic toxicity: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. 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 info Persistence and degradability No furthe Bioaccumulative potential No further re Mobility in soil No further relevant inform Additional ecological information: General notes: Do not allow undiluted product or large qu Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable.	her relevant information available. elevant information available. mation available. quantities to reach ground water, water course or sewage system.		

PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available.

USA (Contd. on page 4)

Product name: Diethoxymethylsilane

(Contd. of page 3)

13 Disposal considerations	
Waste treatment methods Recommendation Consult state, local or national regulat Uncleaned packagings: Recommendation: Disposal must be made according to	
14 Transport information	
UN-Number	
DOT, IMDG, IATA	UN1993
UN proper shipping name DOT	Flammable liquids, n.o.s. (Diethoxymethylsilane)
ĪMDG, IATA	Flammable liquids, n.o.s. (Diethoxymethylsilane) FLAMMABLE LIQUID, N.O.S. (Diethoxymethylsilane)
Transport hazard class(es)	
DOT	
Class	3 Flammable liquids.
Label Class	3
Label	3 (F1) Flammable liquids 3
IMDG, IATA	
Class Label	3 Flammable liquids. 3
Packing group DOT, IMDG, IATA	11
Environmental hazards:	Not applicable.
Special precautions for user EMS Number:	Warning: Flammable liquids F-E,S-E
Transport in bulk according to Annex II of MARPOL73	3/78 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 (Diethoxymethylsilane), 3, II
15 Regulatory information Safety, health and environmental regulations/legislatii GHS label elements The product is classified and labeled Hazard pictograms GHS02 GHS07 Signal word Danger Hazard statements H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation.	on specific for the substance or mixture d in accordance with 29 CFR 1910 (OSHA HCS)

H335 May cause respiratory irritation.

 H335 May cause respiratory irritation.

 Precautionary statements

 P210
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

 P261
 Avoid breathing dust/fume/gas/mist/vapours/spray.

 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

 P305+P351+P338 IF IN EVES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

 P405
 Store locked up.

 P501
 Dispose of contents/container in accordance with local/regional/international regulations.

 Proof
 Subtraction and the product and product product and the product and product product and the product and product produc

USA (Contd. on page 5)

Product name: Diethoxymethylsilane

Page 5/5 Printing date 11/23/2015 Reviewed on 03/04/2015

USA

(Contd. of page 4)

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 use 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 Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Substances LCSO: Lethal concentration, 50 percent LDSO: Lethal concentration, 50 percent LDSO: Lethal dose, 50 percent LDSO: Lethal dose, 50 percent VPW very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) MTP: National Toxicology Program (USA) MTP: Marinal Toxicology Program (USA)