





Product name: (Dichloromethylene)dimethylammonium chloride

roduct name: (DICNIOrOMethylene)dimethylammonium chioride	
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 severe skin burns.	(Contd. of page 1)
Causes serious sub damage. Indication of any immediate medical attention and special treatment needed No further relevant information available.	
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 Nitrogen oxides (NOX) Hydrogen chloride (HCI) Possibly Hydrogen cyanide (HCN) 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 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up:	
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: No special measures required. 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.	
7 Handling and storage Handling Precautions for safe handling Handle under dry protective gas. Keep container tightly sealed Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Refrigerate Information about storage in one common storage facility: Store away from oxidizing agents. Store away from strong bases. Protect from heat. Store away from water/moisture. Further information about storage conditions: Store away from water/moisture. Further information about storage conditions: Store ounder dry inert gas. This product is moisture sensitive. Protect from humidity and water. Keep container tightly sealed. Refrigerate 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 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. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Eye protection: Tightly sealed goggles Full face protection Body protection: Protective work clothing.	
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9 Physical and chemical properties			
Information on basic physical and che			
General Information	he of the second s		
Appearance: Form:	Powder		
Color:	White		
Odor:	Not determined		
Odor threshold:	Not determined.		
pH-value:	Not applicable.		
Change in condition Melting point/Melting range:	185 °C (365 °F) (dec)		
Boiling point/Boiling range:	Not determined		
Sublimation temperature / start:	Not determined		
Flash point:	Not applicable		
Flammability (solid, gaseous) Ignition temperature:	Not determined. Not determined		
Decomposition temperature:	Not determined		
Auto igniting:	Not determined.		
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.		
Lower:	Not determined		
Upper: Vapor prossuro:	Not determined Not applicable.		
Vapor pressure: Density:	Not determined		
Relative density	Not determined.		
Vapor density Evaporation rate	Not applicable. Not applicable.		
Solubility in / Miscibility with			
Water: Partition coefficient (n-octanol/water).	Reacts violently		
Viscosity:			
dynamic: kinematic:	Not applicable.		
Other information	Not applicable. No further relevant information available.		
Reacts with humid air Reacts violently with water Conditions to avoid No further relevant Incompatible materials: Oxidizing agents Bases Water/moisture Heat Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen chloride (HCI) Possibly Hydrogen cyanide (HCN)	information available.		
11 Toxicological information 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.			
Eye irritation or corrosion: Causes ser Sensitization: No sensitizing effects kno	ious eye damage. own.		
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 know	n.		
Specific target organ system toxicity	- repeated exposure: No effects known.		
Specific target organ system toxicity Aspiration hazard: No effects known.	• single exposure: No effects known.		
Subacute to chronic toxicity: No effect	ts 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 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	he environment without proper governmental permits.		
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 releva	nt information available.		
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Product name: (Dichloromethylene)dimethylammonium chloride

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13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.			
14 Transport information			
UN-Number DOT, IMDG, IATA	UN3261		
UN proper shipping name			
DOT I III O IMDG, IATA	Corrosive solid, acidic, organic, n.o.s. ((Dichloromethylene)dimethylammonium chloride) CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. ((Dichloromethylene) dimethylammonium chloride)		
Transport hazard class(es) DOT			
Class Label Class Label IMDG, IATA	8 Corrosive substances. 8 8 (C4) Corrosive substances 8		
Class Label	8 Corrosive substances. 8		
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 Code			
Transport/Additional information:			
DOT Marine Pollutant (DOT):	No		
UN "Model Regulation":	UN3261, Corrosive solid, acidic, organic, n.o.s. ((Dichloromethylene)		
dimethylammonium chloride), 8, 11 dimethylammonium chloride), 8, 11 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms Image: Comparison of the substance of the substance or mixture GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard statements Proceationary statements Prop 65 Dispose of contents/container in accor			

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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 11/24/2015 / Abbreviations and acronyms:

ID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
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
EVECS: 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 Society)
HMIS: Hazardous Materials Information System (CAA)
UC50: Lethal concentration, 50 percent
UPV With Wis: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal dose, 50 percent
VPVB: very Persistent and very Bioaccumulative
ACGIH: American Chernical Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
IMT: National Toxicology Program (USA)
IAT: International Agency for Research on Cancer
EPA: Environmental Protection Agency (USA)

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