

DMDCS;PRODUCT CODE:83410

MSDS Number

BHCLK

National Stock Number

6810-01-304-7246

Product Name

DMDCS;PRODUCT CODE:83410

Manufacturer

PIERCE CHEMICAL COMPANY

Product Identification

Product ID:DMDCS;PRODUCT CODE:83410

MSDS Date:03/24/1989

FSC:6810

NIIN:01-304-7246

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Responsible Party

PIERCE CHEMICAL COMPANY

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Preparer: THERESA LIGHT/RALPH FARME

Cage: 60088

Contractor

PIERCE CHEMICAL COMPANY

117

ROCKFORD, IL 61105

US

815-968-0747

Cage: 60088

Ingredients

DIMETHYLDICHLOROSILANE (SARA III)

CAS: 75-78-5

RTECS: VV3150000

Fraction By Weight: >99.0%

Hazards

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 800 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INGEST- HIGHLY TO SERIOUSLY TOXIC. MAY CAUSE SEVERE BURNS OF MOUTH, THROAT, ESOPHAGUS, AND STOMACH. IRRITATION OF EYE AND RESPIRATORY TRACT. CORROSIVE TO THE SKIN. CHRONIC: INGEST- CIRCULATORY COLLAPSE AND COMA. INHALE- POTENTIALLY LETHAL DUE TO LUNG INJURY.

Explanation of Carcinogenicity:DATA PER MSDS

Effects of Overexposure:EXPOSURE TO HYDROGEN CHLORIDE VAPOR MAY CAUSE DISCOLORATION OR EROSION OF THE TEETH, BLEEDING OF THE NOSE AND

GUMS AND ULCERATION OF THE NASAL MUCOUS.

Medical Cond Aggravated by Exposure: BREATHING OF VAPOR AND/OR MIST MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE. BECAUSE OF ITS IRRITATING PROPERTIES, THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMATITIS.

First Aid

First Aid: EYES: FLUSH IMMEDIATELY WITH LARGE QUANTITY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION WITHOUT FAIL. SKIN: FLUSH WITH WATER FOR SEVERAL MINUTES. AND THEN WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF BUBBLING, REDNESS, BURNING APPEARS. INHALE: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR CONTINUING ILL EFFECTS. INGEST: RINSE MOUTH WITH WATER, DO NOT SWALLOW! GIVE 1/2 PINT MILK/WATER TO DRINK. GET IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Flash Point Method: CC
Flash Point: 70.0F, 21.1C
Autoignition Temp: Autoignition Temp Text: 797 F
Lower Limits: 3.4%
Upper Limits: 9.5%
Extinguishing Media: CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRES; WATER SPRAY OR STANDARD FOAM. NOTE WARNINGS.
Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard: THE USE OF WATER TO EXTINGUISH FIRES WILL RESULT IN THE LIBERATION OF HCL. VAPORS MAY TRAVEL TO AN IGNITION SOURCE AND FLASH BACK EXPLOSIVELY. CONTAINER MAY EXPLODE

Accidental Release

Spill Release Procedures: SHUT OFF POSSIBLE IGNITION SOURCES. CONTAIN SPILL. SPREAD SODA ASH LIBERALLY TO ABSORB AND NEUTRALIZE MATERIAL. SCOOP UP USING NON-METALLIC EQUIPMENT. SCRUB AREA THOROUGHLY WITH PLENTY OF WATER TO DRAIN.
Neutralizing Agent: SODA ASH

Handling

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.
Other Precautions: CONTAINERS MAY EXPLODE IN HEAT OF FIRE.

Exposure Controls

Respiratory Protection: SELF-CONTAINED/ORGANIC VAPOR
Ventilation: MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA IS NOT VENTED.
Protective Gloves: NEOPRENE, NITRILE, OR NATURAL RUBBER
Eye Protection: SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED.
Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.
Supplemental Safety and Health
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

Chemical Properties

HCC: F2
Boiling Pt: B.P. Text: 158F, 70C
Melt/Freeze Pt: M.P/F.P Text: 3.2F, -16C
Vapor Pres: 100 MMHG
Vapor Density: 4.4
Spec Gravity: 1.064
Evaporation Rate & Reference: 3.3 (BUTYL ACETATE=1)
Solubility in Water: REACTS

Appearance and Odor:COLORLESS/NEARLY COLORLESS FUMING LIQUID W/ PUNGENT
ODOR OF HYDROGEN CHLORIDE
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
WATER, AQUEOUS ACIDS AND ALKALIES, KETONES, ALDEHYDES, ALCOHOLS,
ORGANIC ACIDS, PEROXIDES, AMINES, ACETONE, ETC.
Stability Condition to Avoid:VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS
OR IN SEWERS. RUN OFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.
Hazardous Decomposition Products:BURNING CAN PRODUCE CARBON MONOXIDE,
CARBON DIOXIDE AND OXIDES OF SILICONE AND HYDROGEN CHLORIDE.

Disposal

Waste Disposal Methods:MATERIAL SHOULD BE HELD IN LABELLED CONTAINERS
FOR PRESENTATION TO A PROPERLY LICENSED WASTE DISPOSAL FIRM. INSURE
COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.

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