

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-75/75-78-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
75-78-5
Code:
M

RTECS:
VV3150000
Code:
M

Name:
DIMETHYLDICHLOROSILANE (SARA III)

Other REC Limits:
NOT ESTABLISHED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

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:
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:
4 AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL RAT) IS 800 MG/KG

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - 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 2

Signs And Symptions 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 MUCOSA.

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

First Aid:
EYES: FLUSH IMMED. WITH LG QUANT. OF WATER FOR 15 MINS. GET IMMED. MED. ATTEN. W/OUT FAIL. SKIN: FLUSH WITH WATER FOR SEV. MINS. AND THEN WASH WITH SOAP AND WATER. GET MED. ATTEN. IF BLISTER, REDNESS, BURNING APPEARS. INHALE: REMOVE TO FRESH AIR. GET MED. ATTN. FOR CONT. ILL EFFECTS. INGEST: RINSE MOUTH W/ WATER, DO NOT SWALLOW! GIVE 1/2 PT. MILK/WATER TO DRINK. GET IMM. MED. ATTN.

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

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.

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.

Fire and Explosion Hazard Information

Flash Point Method:
CC

Flash Point:

Flash Point Text:
70.0F,21.1C 3

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. CONT. MAY EXPLODE

Physical/Chemical Properties

HCC:
F2

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
158F,70C

Melt/Freeze Pt:

M.P/F.P Text:
3.2F,-16C

Decomp Temp:

Decomp Text:
N/A

Vapor Pres:
100 MMHG

Vapor Density:
4.4

Volatile Org Content %:

Spec Gravity:
1.064

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

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

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS. RUN OFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

Materials To Avoid:
WATER, AQUEOUS ACIDS AND ALKALIES, KETONES, ALDEHYDES, ALCOHOLS, ORGANIC ACIDS, PEROXIDES, AMINES, ACETONE, ETC.

Hazardous Decomposition Products:
BURNING CAN PRODUCE CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF SILICONE AND HYDROGEN 5 CHLORIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P