

AEROTHENE MM SOLVENT

MSDS Number

BBGHG

National Stock Number

6810-00F000283

Product Name

AEROTHENE MM SOLVENT

Manufacturer

DOW CHEMICAL U S A

Product Identification

Product ID:AEROTHENE MM SOLVENT

MSDS Date:05/21/1973

FSC:6810

NIIN:00F000283

MSDS Number: BBGHG

Responsible Party

DOW CHEMICAL U.S.A.

2020 DOW CENTER

MIDLAND , MI 48640

Emergency Phone: (517) 636-4400

Info Phone: (517) 636-4400

Cage: 96717

Contractor

DOW CHEMICAL CO

MIDLAND, MI 48674

US

800-258-2436

Cage: 96717

Ingredients

METHYLENE CHLORIDE (SARA III)

CAS: 75-09-2

RTECS: PA8050000

Fraction By Weight: 100%

OSHA PEL500 PPM/C,1000; Z2

ACGIH TLV: 50 PPM, A2; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:LD50 ORAL (RAT): 1.6 G/KG

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

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

Health Hazards Acute and Chronic:INGESTION: MAY BE FATAL. EYES: PAINFUL, SLIGHT IRRITATION, & CORNEAL INJURY. SKIN: POSSIBLE IRRITATION & BURNS. INHALATION: ANESTHESIA >300 PPM IN THE ATMOSPHERE & INCREASE CARDIAC IRRITABILITY.

Explanation of Carcinogenicity:METHYLENE CHLORIDE IS CONSIDERED TO BE

AN A2 CARCINOGEN BY ACGIH.
Effects of Overexposure:INGESTION: MAY BE FATAL. EYES: PAINFUL, SLIGHT IRRITATION, & CORNEAL INJURY. SKIN: POSSIBLE IRRITATION & BURNS. INHALATION: ANESTHESIA >300 PPM IN THE ATMOSPHERE & INCREASE CARDIAC IRRITABILITY.

First Aid

First Aid:EYES/SKIN: FLUSH W/PLENTY OF WATER. GET MED ATTN. INHALATION: REMOVE PATIENT TO FRESH AIR. KEEP PATIENT QUIET & WARM. GET MED ATTN. IF BREATHING STOPS, START ARTIFICIAL RESPIRATION. INGESTION: INDUCE VOMITING. CALL PHYSICIAN. NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.

Fire Fighting

Flash Point:NONE
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:DRY CHEMICAL, CO2, FOAM
Fire Fighting Procedures:USE SELF-CONTAINED RESPIRATORY EQUIPMENT.
Unusual Fire/Explosion Hazard:AT HIGH TEMPS HCL AND PHOSGENE ALONG WITH CARBON MONOXIDE MAY BE RELEASED.

Accidental Release

Spill Release Procedures:USE PROPER PROTECTIVE EQUIPMENT. MOPE UP, WIPE UP & SOAK UP. REMOVE TO OUT OF DOORS. EVACUATE AREA. CONTAIN LIQUID. TRANSFER TO CLOSED METAL CONTAINERS. KEEP OUT OF WATER SUPPLY.

Handling

Handling and Storage Precautions:AVOID BREATHING VAPORS. STORE IN A COOL PLACE. EXERCISE REASONABLE CARE & CAUTION.
Other Precautions:AVOID AIRBORNE CONCENTRATION BUILD-UP. NO SMOKING WHERE VAPORS OF THIS MATERIAL ARE PRESENT. WHEN VAPORS ARE DRAWN INTO COMBUSTION CHAMBER OF A SPACE HEATER SEVERE CORROSION SEE SUPDAT

Exposure Controls

Respiratory Protection:RESPIRATORY PROTECTION REQUIRED IN THE ABSENCE OF ENVIRONMENTAL CONTROL. FOR LEVELS UP TO 2%, A SUITABLE FULL FACE MASK WITH ORGANIC CANISTER SHULD BE USED. USE A SELF CONTAINED BREATHING APPARATUS.
Ventilation:LOCAL,GENERAL TO MEET TLV REQUIREMENTS
Protective Gloves:IMPERVIOUS
Eye Protection:SAFETY GLASSES W/O SIDE SHIELDS
Other Protective Equipment:EYE WASH STATIONS & SAFETY SHOWERS
Supplemental Safety and Health
WITH SOME SOLVENTS, DRINKING ALCOHOL SHORTLY BEFORE, DURING OR AFTER EXPOSURE MAY CAUSE UNDESIRABLE EFFECTS.

Chemical Properties

Boiling Pt:B.P. Text:104F,40C
Vapor Pres:340
Vapor Density:2.93
Spec Gravity:1.320
Solubility in Water:2.0G/100G
Appearance and Odor:COLORLESS LIQUID WITH AN ODOR LIKE CHLOROFORM
Percent Volatiles by Volume:100%

Stability

Stability Indicator/Materials to Avoid:YES
AL OR MG POWDER, SODIUM OR POTASSIUM MAY CAUSE FIRES
Stability Condition to Avoid:HEAT, MOISTURE, OPEN FLAMES
Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE, & CHLORINE

Disposal

Waste Disposal Methods:SEND SOLVENT TO A RECLAIMER. IN SOME CASES IT

CAN BE TRANSPORTED TO AN AREA WHERE IT CAN BE PLACED ON THE GROUND
& ALLOWED TO EVAPORATE SAFELY.

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