

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-253/2536-05-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas: 2536-05-2
Code: M
RTECS:
Code: X
Name: DIPHENYLMETHANE DIISOCYANATE (2,2')
Other REC Limits: 0.055 MG/M3
OSHA PEL: NOT ESTABLISHED
Code: M
OSHA STEL:
Code:
ACGIH TLV: NOT ESTABLISHED
Code: M
ACGIHSTEL: N/P
Code:

Control Measures

Respiratory Protection: IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREA THING APPARATUS.
Ventilation: LOCAL EXHAUST IS PREFERRED TO KEEP VAPORS/PARTICULATES BELOW TLV VALUE. MECHANICAL (GENERAL) VENTILATION IS ACCEPTABLE.
Protective Gloves: NEOPRENE, NITRILE, IMPERVIOUS PLASTIC.
Eye Protection: SAFETY GLASSES ARE RECOMMENDED.
Other Protective Equipment: Equipment WEAR PROTECTIVE CLOTHING IN CASE OF REPEATED OR PROLONGED CONTACT. PROVIDE EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices: WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES.
Supplemental Safety and Health: KEY1:F3. THIS ENTRY DESCRIBES PART B, P/N IND A, SOLVENT BASED CURING AGENT, OF A TWO PART KIT. SEE THIS SAME NSN, PART A, P/N IND B, SOLVENT BASE ADHESIVE, FOR PART A DATA. REPAIR KIT CONSISTS OF AN ASSORTMENT OF ITEMS, SUCH AS NYLON-COATED FABRIC, WITH APPLICATION ACCESSORIES, FOR USE IN FIELD REPAIR OF TANK FABRIC.

Health Hazards Data

LD50LC50Mixture: LD50 (ORAL, RAT) IS UNKNOWN.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Health Hazards Acute And Chronic: ACUTE: EYES: IRRITATION. SKIN: IRRITATION. INHALATION: HAZARDOUS IF INHALED. INGESTION: NO HAZARD KNOWN AT THIS TIME. CHRONIC: LONG TERM OVEREXPOSURE TO THIS MATERIAL HAS BEEN ASSOCIATED WITH ASTHMA, CNS PROBLEMS, LUNG IMPAIRMENT, POSSIBLERESPIRATORY SENSITIZATION.
Explanation Of Carcinogenicity: NONE OF INGREDIENTS EXCEEDING CONCENTRATION LIMIT OF 0.1% ARE ON IARC, NTP, OR OSHA LISTS OF CARCINOGENIC HAZARDS.
Signs And Symptions Of Overexposure: EYES: IRRITATION. SKIN: IRRITATION. INHALATION: IRRITATION, SORE THROAT, BREATHLESSNESS, CHEST PAIN, COUGHING, SENSITIZER, NAUSEA, DIARRHEA, VOMITING, NARCOSIS.
Medical Cond Aggravated By Exposure: BRONCHIAL HYPERACTIVITY, ASTHMA.
First Aid: EYES: FLUSH WITH LARGE AMOUNTS OF WATER.GET MEDICAL ATTENTION. SKIN: WASH AREA WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT GIVE OXYGEN. GE T MEDICAL ATTENTION.
Spill Release Procedures: ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN AND SOAK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH, SWEEPING COMPOUND, OTHER ABSORBENT. PACKAGE ABSORBENT MATERIAL OR SOLID PRODU CT IN STEEL DRUMS.CLEAN AREA WHERE SPILLOCCURRED.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER: D035 (METHYL ETHYL KETONE). IT IS ALSO A D001 CHARACTERISTIC IGNITABLE WASTE.
Handling And Storage Precautions: STORE IN COOL (60-80F), VENTILATED AREA, AWAY FROM SUNLIGHT, SOURCES OF HEAT, FLAMES, SPARKS,INCOMPATIBLES.KEEP CONTAINERS CLOSED WHEN NOT BEING USED.
Other Precautions: USE WITH ADEQUATE VENTILATION, AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. AVOID SKIN CONTACT, USE IN AREA FREE FROM FLAME AND SPARKS."EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NO T WELD, SOLDER OR DRILL SUCH CONTAINERS.

Fire and Explosion Hazard Information

Flash Point Method: CC
Flash Point:
Flash Point Text: 17.0F,-8.3C
Autoignition Temp:
Autoignition Temp Text: 959F
Lower Limits: 1.8%
Upper Limits: 11.4% 3
Extinguishing Media: WATER SPRAY, FOAM, DRY CHEMICAL, CARBON DIOXIDE. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.
Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. FOAMS WITH WATER.
Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

Physical/Chemical Properties

HCC: F2
NRC/State LIC No: N/R
Net Prop WT For Ammo:
Boiling Point:
B.P. Text: 176F,80C
Melt/Freeze Pt:
M.P/F.P Text: UNKNOWN
Decomp Temp:
Decomp Text: UNKNOWN
Vapor Pres: 78
Vapor Density: 2.49
Volatile Org Content %:
Spec Gravity: 0.95
VOC Pounds/Gallon:
PH: N/R 4
VOC Grams/Liter:
Viscosity: UNKNOWN
Evaporation Rate & Reference: 5.7 (N-BUTYL ACETATE=1)
Solubility in Water: 15 %
Appearance and Odor: A BLACK COLORED LIQUID. KETONE ODOR.
Percent Volatiles by Volume: 55.7WT
Corrosion Rate: UNKNOWN

Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: HEAT, SPARKS, FLAMES, OTHER IGNITION SOURCES.
Materials To Avoid: STRONG OXIDIZERS, HALOGENS, ALKALIS, STRONG MINERAL ACIDS, ACIDS, ALCOHOLS, AMINES, DETERGENTS, AMMONIA, WATER.
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, OTHER UNKNOWN COMPOUNDS, TRACE AMOUNTS OF HYDROGEN CYANIDE.
Hazardous Polymerization Indicator: YES
Conditions To Avoid Polymerization: CAN OCCUR WITH MOISTURE AND OTHER ISOCYANATE REACTANTS.

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