DOWPER SOLVENT,25202

MSDS Number

BBCGG

National Stock Number

6810-00D000091

Product Name

DOWPER SOLVENT,25202

Manufacturer

DOW CHEMICAL U S A

Product Identification

Product ID:DOWPER SOLVENT,25202
MSDS Date:05/01/1991
FSC:6810
NIIN:00D000091
MSDS Number: BBCGG

Responsible Party

DOW CHEMICAL U.S.A.

CHEMICAL AND METALS DEPARTMENT

MIDLAND , MI 48674

US

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

PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)

CAS: 127-18-4

RTECS: KX3850000

Fraction By Weight: 99.9%

OSHA PEL100 PPM, Z-2

ACGIH TLV: 25PPM/100STEL,A3; 94

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS >5000 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS, EYES, SKIN, CNS, LIVER, KIDNEY. ACUTE- EYE CONTACT MAY CAUSE PAIN.
PROLONGED/REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION/EVEN

BURN. LOW TOXICITY BY INGESTION. IF ASPIRATED, MA Y CAUSE INJURY. IN CONFINED AREA, INHALATION MAY CAUSE DEATH. CHRONIC- DRYING SKIN, LIVER, KIDNEY AND CNS EFFECTS.
Explanation of Carcinogenicity:PERCHLOROETHYLENE IS NOT BELIEVED TO POSE A MEASURABLE CARCINOGENIC RISK TO MAN WHEN HANDLED AS RECOMMENDED (MSDS).
Effects of Overexposure:EYE AND SKIN IRRITATION, EYE PAIN, SKIN BURN, DRYING AND FLAKING, NASAL IRRITATION, NAUSEA, INCOORDINATION, DRUNKENESS, UNCONSCIOUSNESS, DEATH
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

First Aid

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INGESTION:D O NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

Fire Fighting

Flash Point:NONE
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:INVOLVEMENT IN FIRE FORMS HYDROGEN CHLORIDE AND SMALL AMOUNTS OF PHOSGENE AND CHLORINE.

Accidental Release

Spill Release Procedures:SMALL LEAKS:MOP UP, WIPE UP OR SOAK UP IMMEDIATELY. REMOVE TO OUT OF DOORS. LARGE SPILLS:EVACUATE AREA. CONTAIN LIQUID; TRANSFER TO CLOSED METAL CONTAINRS. KEEP OUT OF WATER SUPPLY.
Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA AWAY FROM INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.
Other Precautions:VAPORS HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. DO NOT ENTER THESE AREAS WHERE VAPORS OF THIS PRODUCT ARE SUSPECTED UNLESS SPECIAL BREATHING APPARATUS IS USED AND AN OBSERVER IS PRESENT FOR ASS ISTANCE.

Exposure Controls

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:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.
Protective Gloves:NITRILES FOR REPEATED CONTACTS
Eye Protection:CHEMICAL GOGGLES IF CONTACT IS LIKELY
Other Protective Equipment:USE BODY-COVERING CLOTHING. SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY.
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.
Supplemental Safety and Health
NOTE TO PHYSICIAN:BECAUSE RAPID ABSORPTION MAY OCCUR THROUGH LUNGS IF ASPIRATED AND CAUSE SYSTEMIC EFFECTS, THE DECISION OF WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY A PHYSICIAN. EXPOSURE MA Y INCREASE "MYOCARDIAL IRRITABILITY". DO NOT ADMINISTER SYMPATHOMIMETIC DRUGS UNLESS ABSOLUTELY NECESSARY.

Chemical Properties

HCC:T4
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:250F,121C
Vapor Pres:13 @ 68F
Vapor Density:5.76
Spec Gravity:1.619
Solubility in Water:0.015 G/100 ML @ 77F
Appearance and Odor:COLORLESS LIQUID, ETHER-LIKE ODOR
Percent Volatiles by Volume: 100

Stability

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS & OXIDIZERS
Stability Condition to Avoid:OPEN FLAMES, WELDING ARCS OR OTHER HIGH TEMPERATURE SOURCES WHICH INDUCE THERMAL DECOMPOSITION.
Hazardous Decomposition Products:INVOLVEMENT IN FIRE FORMS HYDROGEN CHLORIDE AND SMALL AMOUNTS OF PHOSGENE AND CHLORINE.

Disposal

Waste Disposal Methods:WHEN DISPOSING OF UNUSED CONTENTS, THE PREFERRED OPTIONS ARE TO SEND TO LICENSED RECLAIMERS OR TO PERMITTED INCINERATORS. OBSERVE ALL LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT DUMP INTO SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

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