

ACETONE

MSDS Number

BKBLX

National Stock Number

6810-01-003-0262

Product Name

ACETONE

Manufacturer

UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV

Product Identification

Product ID:ACETONE

MSDS Date:07/01/1988

FSC:6810

NIIN:01-003-0262

MSDS Number: BKBLX

Responsible Party

UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV

39 OLD RIDGEBURY ROAD

DANBURY , CT 06817-0001

US

Emergency Phone: 304-744-3487

Info Phone: 800-822-4357

Preparer: NONE

Cage: 61637

Contractor

UNION CARBIDE CORP

DANBURY, CT 06817-0001

US

800-822-4357/732-563-5522 (MSDS)

Cage: 61637

Ingredients

ACETONE (SARA III)

CAS: 67-64-1

RTECS: AL3150000

Fraction By Weight: >99%

OSHA PEL1000PPM

ACGIH TLV: 750PPM/1000STEL;9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight:

OSHA PEL1PPM/5STEL;1910.1028

ACGIH TLV: 10 PPM; A2; 9192

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

Hazards

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 9750 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:VAPORS MAY BE IRRITATING TO SKIN, EYES, NOSE & THROAT. LIQUID MAY BE IRRITATING TO SKIN AND EYES. PROLONGED SKIN CONTACT MAY RESULT IN DERMATITIS. EYE CONTACT MAY RESULT IN TEMPORARY CORNEAL DAMAGE. INGESTION MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. CHRONIC EFFECTS OF OVEREXPOSURE MAY INCLUDE KIDNEY/LIVER DAMAGE.

Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED BY IARC, NTP, OR OSHA AS A SUSPECTED OR CONFIRMED CARCINOGEN. (MAY CONTAIN TRACE BENZENE)

Effects of Overexposure:INHALATION MAY CAUSE HEADACHE, NAUSEA, VOMITING, DIZZINESS, NARCOSIS, SUFFOCATION, LOWER BLOOD PRESSURE, AND CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. INGESTION MAY CAUSE NAUSEA, VOMITING, HEADACHES, DIZZINESS, GASTROINTESTINAL IRRITATION AND CNS DEPRESSION. VAPORS MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION.

Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC RESPIRATORY DISEASE, SKIN DISORDERS AND EYE DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH WATER. INGESTION: GIVE LARGE AMOUNTS OF WATER TO DRINK ONLY IF CONSCIOUS. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. AVOID ASPIRATION.

Fire Fighting

Flash Point Method:TCC

Flash Point:0F,-18C

Lower Limits:2.15

Upper Limits:13.0

Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. ACETONE VAPORS CAN TRAVEL A LONG DISTANCE TO IGNITION SOURCES.

Accidental Release

Spill Release Procedures:WEAR SUITABLE PROTECTIVE CLOTHING. ELIMINATE ALL IGNITION SOURCES. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP WITH SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:DILUTE WITH WATER.

Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED, FLAMMABLE LIQUID STORAGE AREA. KEEP CONTAINERS TIGHTLY CLOSED. USE WITH ADEQUATE VENTILATION. AVOID CONTACT.

Other Precautions:DO NOT BREATHE VAPOR OR MIST. DO NOT GET IN EYES.

WATER MAY BE INEFFECTIVE AS AN EXTINGUISHER IN CASE OF FIRE.

Exposure Controls

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED RESPIRATOR IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL/TLV. WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE SHIELD IF REQUIRED FOR HIGH LEVELS OF CONTAMINATES.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:BUTYL RUBBER GLOVES ARE RECOMMENDED

Eye Protection:SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. KEEP WORK AREA CLEAN AND WELL VENTILATED.

Supplemental Safety and Health

STORE IN A COOL, DRY, WELL VENTILATED, FLAMMABLE LIQUID STORAGE AREA.

Chemical Properties

HCC:F2

Boiling Pt:B.P. Text:133

Melt/Freeze Pt:M.P/F.P Text:-142

Vapor Pres:184

Vapor Density:2.0 AIR=1

Spec Gravity:0.791

Evaporation Rate & Reference:14.4 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID; SHARP PENETRATING ODOR

Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS NITRIC ACID AND ALKALIS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE

Disposal

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. WASTE MATERIAL WILL BE A LAND-BANNED HAZARDOUS WASTE (F003 OR D001 OR U002)

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