

ACETONE,SYNTHETIC,00259

MSDS Number

BDGXV

National Stock Number

6810-00-184-4796

Product Name

ACETONE,SYNTHETIC,00259

Manufacturer

DOW CHEMICAL U S A

Product Identification

Product ID:ACETONE,SYNTHETIC,00259

MSDS Date:11/04/1992

FSC:6810

NIIN:00-184-4796

MSDS Number: BDXV

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

ACETONE (SARA III)

CAS: 67-64-1

RTECS: AL3150000

Fraction By Weight: 99.5%

OSHA PEL1000PPM

ACGIH TLV: 750PPM/1000STEL;9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS >6000 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY,

CNS. ACUTE- EYE:WILL INJURE EYE IF NOT REMOVED PROMPTLY. SKIN:MAY

CAUSE DRYING/FLAKING. INHALE:MAY CAUSE RESPIRATORY TRACT

IRRITATION, ANESTHETIC OR NARCOTIC EFFECTS. ORAL:LOW TOXICITY.
CHRONIC- DRYNESS, DEFATTING.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:HEADACHE, DIZZINESS, DROWSINESS, NAUSEA,
DRYING, CRACKING & DEFATTING OF SKIN, EYE IRRITATION,
GASTROINTESTINAL IRRITATION, RESPIRATORY TRACT IRRITATION
Medical Condition Aggravated by Exposure:PERSONS WITH CHRONIC RESPIRATORY OR
SKIN DISEASES MAY BE AT AN INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH OFF IN
FLOWING WATER OR SHOWER. INHALED:REMOVE TO FRESH AIR. PROVIDE
CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS & LARGE AMOUNTS ARE
INGESTED, INDUCE VOMITING. CALL A PHYSICIAN.

Fire Fighting

Flash Point Method:TCC
Flash Point:-4F,-20C
Autoignition Temp:Autoignition Temp Text:869F
Lower Limits:2.6
Upper Limits:12.8
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL RESISTANT
FOAM. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.
Fire Fighting Procedures:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS OPERATED IN POSITIVE PRESSURE MODE. EXTINGUISH ONLY IF
FLOW CAN BE STOPPED (UNMANNED HOSE)/LET IT BURN.
Unusual Fire/Explosion Hazard:CONTAINERS MAY EXPLODE DUE TO EXTREME
HEAT. DISPERSE VAPORS AND SPILLS WITH WATER AND PROTECT PERSONNEL.

Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.
ELIMINATE SOURCES OF IGNITION. STOP LEAK IF POSSIBLE. CONTAIN
LIQUID WITH SAND/EARTH. RECOVER BY PUMPING (EXPLOSION
PROOF)/NON-FLAMMABLE ABSORBENT MATERIALS. PREVENT LIQUID FROM
ENTERING SEWERS, WATERWAYS.
Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:STORE AT AMBIENT TEMPERATURES, IN WELL
VENTILATED AREA AWAY FROM SPARKS, FLAMES, OTHER SOURCES OF IGNITION
& INCOMPATIBLE SUBSTANCES.
Other Precautions:AVOID BREATHING VAPORS. AVOID CONTACT WITH EYES &
SKIN. SHOULD BE STORED IN CONTAINERS WHICH MEET THE GROUNDING &
BONDING GUIDELINES SPECIFIED BY NFPA. KEEP OUT OF REACH OF
CHILDREN. WASH THOROUGHLY AFTER HANDLING.

Exposure Controls

Respiratory Protection:NIOSH APPROVED CHEMICAL CARTRIDGE
RESPIRATOR/POWERED AIR-PURIFYING RESPIRATOR. FOR EMERGENCY USE
SELF-CONTAINED BREATHING APPARATUS/SUPPLIED-AIR RESPIRATOR WITH
FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:BUTYL IF REPEATED CONTACT POSSIBLE
Eye Protection:CHEMICAL GOGGLES
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING, APRON, AND BOOTS IF SPILLS OR
SPLASHING CAN OCCUR.
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.
Supplemental Safety and Health

Chemical Properties

HCC:F2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:133F,56C

Vapor Pres:181.7 68F
Vapor Density:2.0
Spec Gravity:0.7880
Solubility in Water:COMPLETELY MISCIBLE
Appearance and Odor:CLEAR, COLORLESS, VOLATILE LIQUID WITH A SWEETISH
ODOR
Percent Volatiles by Volume:99.5

Stability

Stability Indicator/Materials to Avoid:YES
NITRIC PLUS ACETIC ACIDS AND NITRIC PLUS SULFURIC ACIDS
Stability Condition to Avoid:HIGH HEAT, SPARKS, STATIC ELECTRICITY, HOT
SURFACES, OPEN FLAMES AND OTHER SOURCES OF IGNITION
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

Disposal

Waste Disposal Methods:BURN IN INCINERATOR. ENSURE CONFORMITY TO LOCAL,
STATE AND FEDERAL DISPOSAL REGULATIONS. RUN-OFF TO SEWER MAY CREATE
FIRE OR EXPLOSION HAZARD. EPA "HAZARDOUS WASTE" (IGNITIBLE), IF
DISCARDED D001. RQ IS 5000 POUNDS.

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