

DOW CHEMICAL U.S.A. -- ACETONE,SYNTHETIC,00259 -- 6810-00-184-4796

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Product Identification
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Product ID:ACETONE,SYNTHETIC,00259

MSDS Date:11/04/1992

FSC:6810

NIIN:00-184-4796

MSDS Number: BDGXV

=== Responsible Party ===

Company Name:DOW CHEMICAL U.S.A.

Address:CHEMICAL AND METALS DEPARTMENT

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info Phone Num:517-636-4400

Emergency Phone Num:517-636

-4400

CAGE:96717

=== Contractor Identification ===

Company Name:DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:800-258-2436

CAGE:96717

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Composition/Information on Ingredients
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Ingred Name:ACETONE (SARA III)

CAS:67-64-1

RTECS #:AL3150000

Fraction by Wt: 99.5%

OSHA PEL:1000PPM

ACGIH TLV:750PPM/1000STEL;9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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Hazards Identification
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D50 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

Ef

Effects of Overexposure:HEADACHE, DIZZINESS, DROWSINESS, NAUSEA, DRYING, CRACKING & DEFATTING OF SKIN, EYE IRRITATION, GASTROINTESTINAL IRRITATION, RESPIRATORY TRACT IRRITATION

Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC RESPIRATORY OR SKIN DISEASES MAY BE AT AN INCREASED RISK FROM EXPOSURE.

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First Aid Measures
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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.

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Fire Fighting Measures
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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.

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Accidental Release Measures
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.

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LIMINATE 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

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===== Handling and Storage =====

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.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH APPROVED CHEMICAL CARTRIDGE RESPIRATOR/POWERED AIR-PURIFYING RESPIRATOR. FOR EMERGENCY USE SELF-CONTAINED BREATHING APPARATUS/SUPPLIED-AIR RESPIRATOR WITH

TH
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

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===== Physical/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

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===== Stability and Reactivity Data =====

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 Considerations =====

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.

RD. EPA "HAZARDOUS WASTE" (IGNITIBLE), IF DISCARDED D001. RQ IS 5000 POUNDS.

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