

ACETONE

MSDS Number

BXGCB

National Stock Number

6810-00D003513

Product Name

ACETONE

Manufacturer

WARD'S NATURAL SCIENCE ESTABLISHMENT INC

Product Identification

Product ID:ACETONE

MSDS Date:06/16/1995

FSC:6810

NIIN:00D003513

MSDS Number: BXGCB

Responsible Party

WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

ROCHESTER , NY 14692-9012

US

Emergency Phone: 716-226-6177/334-4222/800-424-9300

Info Phone: 716-359-2502

Preparer: MICHAEL RASZEJA

Cage: EO227

Contractor

WARDS NATURAL SCIENCE ESTABLISHMENT INC

92912

ROCHESTER, NY 14692-9012

US

(716) 359-2502

Cage: 63759

Ingredients

ACETONE (SARA 313) (CERCLA)

CAS: 67-64-1

RTECS: AL3150000

OSHA PEL1000 PPM

ACGIH TLV: 750PPM/1000STEL;9495

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

BENZENE (SARA 313) (CERCLA)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight: TRACE

OSHA PELSEE 1910.1028

ACGIH TLV: 10 PPM; A2; 9495

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

Hazards

Health Hazards Acute and Chronic: INHALATION: VAPORS ARE IRRITATING TO EYES, NOSE & THROAT. SKIN: REPEATED CONTACT CAUSES DEFATTING. EYES: CAUSES SEVERE IRRITATION. INGESTION: SLIGHTLY TOXIC.
Effects of Overexposure: INHALATION-HIGH VAPOR CONCENTRATIONS MAY RESULT IN HEADACHE, DIZZINESS, AND NAUSEA. SKIN-REPEATED CONTACT CAUSES CHAPPING & DRYING OF SKIN. EYES-CAUSES REDNESS AND SWELLING. INGESTION-CAUSES NAUSEA, VOMITING, HEADACHE, DIZZINESS AND UNCONSCIOUSNESS.

First Aid

First Aid: INHALATION-REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GIVE OXYGEN BY QUALIFIED PERSONNEL, CALL A PHYSICIAN. SKIN-WASH CONTACTED AREA WITH SOAP & WATER. EYES-FLUSH THOROUGHLY WITH WATER FOR 15 MINS, LIFTING UPPER & LOWER EYELIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION. INGESTION-DO NOT INDUCE VOMITING! CALL A PHYSICIAN. IF CONSCIOUS, GIVE 1 OR 2 GLASSES OF WATER TO DRINK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Fire Fighting

Flash Point Method: CC
Flash Point: =-20.C, -4.F
Autoignition Temp: =537.8C, 1000.F
Lower Limits: 2.15
Upper Limits: 13
Extinguishing Media: CARBON DIOXIDE (CO2); DRY CHEMICAL (ABC); WATER
APRAY; ALCOHOL FOAM.
Fire Fighting Procedures: WATER SHOULD BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE & TO DILUTE SPILLS TO NON-FLAMMABLE MIXTURES. IN FIRE CONDITIONS, WEAR A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard: ACETONE IS EXTREMELY FLAMMABLE AND ITS VAPORS FORM EXPLOSIVE MIXTURES WITH AIR. DANGEROUS WHEN EXPOSED TO HEAT, SPARKS, FLAME OR OXIDANTS.

Accidental Release

Spill Release Procedures: ELIMINATE ALL SOURCES OF IGNITION. SMALL SPILL-ALLOW TO EVAPORATE IF IT CAN BE DONE SAFELY. OTHERWISE SOAK UP WITH ABSORBENT MATERIAL AND SCOOP INTO DRUM.

Handling

Handling and Storage Precautions: KEEP AWAY FROM HEAT, SPARKS, FLAMES. STORE IN A COOL, WELL VENTILATED AREA. USE WITH ADEQUATE VENTILATION. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
Other Precautions: AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD OR HOUSEHOLD USE. KEEP OUT OF REACH OF CHILDREN. READ LABEL ON CONTAINER BEFORE USING. DO NOT WEAR CONTACT LENSES WHEN USING CHEMICALS.

Exposure Controls

Respiratory Protection: WORK IN A FUME HOOD OR WEAR A NIOSH-APPROVED ALL PURPOSE CANISTER MASK.
Ventilation: LOCAL EXHAUST: RECOMMENDED. MECHANICAL (GENERAL): RECOMMENDED.
Protective Gloves: RUBBER.
Eye Protection: CHEMICAL SAFETY GLASSES.
Other Protective Equipment: SAFETY GLASSES, LAB COAT, VENTED HOOD,

PROPER GLOVES, FIRE EXTINGUISHER, EYE WASH STATION.
Work Hygienic Practices: REMOVE AND WASH CONTAMINATED CLOTHING.
Supplemental Safety and Health
DANGER! EXTREMELY FLAMMABLE! CAUSES EYE IRRITATION.

Chemical Properties

HCC:F2
Boiling Pt: =56.C, 132.8F
Melt/Freeze Pt: =-94.C, -137.2F
Vapor Pres: 181.7 @68F
Vapor Density: 2.00
Spec Gravity: 0.7880
Evaporation Rate & Reference: >7.0 (N-BUTYL ACETATE=1)
Solubility in Water: COMPLETELY MISCIBLE
Appearance and Odor: COLORLESS LIQUID; FRAGRANT MINT-LIKE ODOR
Percent Volatiles by Volume: 100

Stability

Stability Indicator/Materials to Avoid: YES
CHLOROFORM; CHROMIC ANHYDRIDE; HYDROGEN PEROXIDE; NITRIC & ACETIC
ACIDS; NITRIC & SULFURIC ACIDS; SULFURIC ACID AND POTASSIUM
DICHROMATE.
Stability Condition to Avoid: EXCESSIVE TEMPERATURES, HEAT, SPARKS, AND
OPEN FLAMES.
Hazardous Decomposition Products: COMPLETE COMBUSTION YIELDS CARBON
DIOXIDE AND WATER VAPOR; INCOMPLETE COMBUSTION CAN PRODUCE CARBON
MONOXIDE.

Disposal

Waste Disposal Methods: DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT
TO FEDERAL, STATE AND LOCAL LAWS. THESE DISPOSAL GUIDELINES ARE
INTENDED FOR THE DISPOSAL OF CATALOG SIZE QUANTITIES ONLY. BURN IN
AN APPROVED INCINERATOR, IF LOCAL ENVIRONMENTAL REGULATIONS
PERMIT.

Toxicology

Toxicological Information: TWA (AIR): 750 PPM; 1,780 MG/M3 STEL(AIR);
1,000 PPM, 2375 MG/M3.

Transport

Transport Information: D.O.T.: ACETONE, 3, UN1090.

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