

SCIENCE KIT INC -- ACETONE -- 6810-01-324-6306

===== Product Identification =====

Product ID:ACETONE
MSDS Date:12/01/1994
FSC:6810
NIIN:01-324-6306
MSDS Number: BYTLY
=== Responsible Party ===
Company Name:SCIENCE KIT INC
Address:777 E PARK DR
City:TONAWANDA
State:NY
ZIP:14150-6708
Country:US
Info Phone Num:800-256-2586
Emergency Phone Num:800-256-2586/800-424-9300(CHEMTREC)
Preparer's Name:R.M.
CARLSON
CAGE:57020
=== Contractor Identification ===
Company Name:SCIENCE KIT INC
Address:777 E PARK DR
Box:City:TONAWANDA
State:NY
ZIP:14150-6708
Country:US
Phone:716-874-6020
CAGE:57020

===== Composition/Information on Ingredients =====

Ingred Name:ACETONE (SARA 313) (CERCLA)
CAS:67-64-1
RTECS #:AL3150000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:750PPM/1000STEL;9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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azards Identification =====

LD50 LC50 Mixture:TLV IS 750 PPM.

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, LUNG, LIVER, CNS, GI TRACT. ACUTE- WILL INJURE EYE IF NOT REMOVED PROMPTLY. CAN BE ABSORBED THROUGH SKIN. INHALATION MAY CAUSE RESPIRATORY IRRITATION, NARCOTIC EFFECTS, CNS EF FECTS. HARMFUL IF INGESTED. ASPIRATION HAZARD. CHRONIC- DRYNE

SS, DEFATTING, DERMATITIS, LIVER DAMAGE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:HEADACHE, DIZZINESS, DROWSINESS, NAUSEA, VOMITING, RESTLESSNESS, DRYING, CRACKING AND DEFATTING OF SKIN, IRRITATION, PAIN, TEARING

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, CNS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

===== First Aid Measures =====

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, DRINK WATER &INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:0F,-18C

Autoignition Temp:Autoignition Temp Text:869F

Lower Limits:2.6

Upper Limits:12.8

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM, HALON/WATER. 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:CONTAINER MAY EXPLODE

DUE TO EXTREME

HEAT. VAPORS HEAVIER THAN AIR AND MAY TRAVEL TO AN IGNITION SOURCE AND FLASH BACK.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA. ELIMINATE SOURCES OF IGNITION. STOP LEAK IF POSSIBLE. REMOVE WITH NON-FLAMMABLE ABSORBENT MATERIALS SUCH AS SAND OR VERMICULITE. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS.

Neutralizing Agent:NOT RELEVANT

===== 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:EXTREMELY FLAMMABLE. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID INHALATION OF VAPORS. KEEP OUT OF REACH OF CHILDREN. OBEY HAZARD WARNING LABEL. FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD/HOUSE HOLD USE. USE WITH ADEQUATE VENTILATION.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR. IN EMERGENCY, USE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:BUTYL

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH 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. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=57.C, 134.6F

Melt/Freeze Pt:=-97.C, -142.6F

Vapor Pres:400 @

103F

Vapor Density:2.0

Spec Gravity:0.80

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:7 (N-BUTYL ACETATE=1)

Solubility in Water:100%

Appearance and Odor:CLEAR, COLORLESS, VOLATILE LIQUID WITH A
CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, CHLOROFORM, ACIDS, ALKALIES, POTASSIUM-T-BUTOXIDE

Stability Condition to Avoid:HIGH HEAT, SPARKS, STATIC ELE

CTRICITY, HOT

SURFACES, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE TOXIC OXIDES OF CARBON.

===== Disposal Considerations =====

Waste Disposal Methods:CONSULT AN EXPERT ON DISPOSAL OF RECOVERED
MATERIAL AND ENSURE CONFORMITY TO LOCAL, STATE AND FEDERAL DISPOSAL
REGULATIONS. RUN-OFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

EPA "HAZARDOUS WASTE" (IGNITIBLE), IF DISC

ARDED D001. RQ IS 5000

POUNDS.

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