

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

Product ID:ACETONE

MSDS Date:08/03/1989

FSC:6810

NIIN:00-184-4796

MSDS Number: BRNJF

=== Responsible Party ===

Company Name:UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:800-822-4357

Emergency Phone Num:800-822-4357

CAGE:61637

=== Contractor Identification ===

Co

Company Name:UNION CARBIDE CORP

Address:39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

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

CAGE:61637

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

Ingred Name:ACETONE (SARA III)

CAS:67-64-1

RTECS #:AL3150000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM

ACGIH TLV:750PPM/1000STEL;9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

F

reaction by Wt: 30%PPM
Other REC Limits:NONE SPECIFIED
OSHA PEL:1PPM/5STEL;1910.1028
ACGIH TLV:10 PPM; A2; 9192
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:TLV: 750 PPM TWA OSHA, ACGIH ACETONE.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:SWALLOWING: SLIGHTLY TOXIC.
INHALATION: VAPORS ARE IRRITATING. SKIN: BRIE
LF CONTACT IS NOT
IRRITATING. PROLONGED OR REPEATED CONTACT MAY CAUSE DEFATTING &
DRYING OF THE SKIN. EYE: CAUSES SEVERE IRRITATION, SEEN AS MARKED
EXCESS REDNESS, SWELLING OF THE CONJUNCTIVA, & IMMEDIATE PAIN.
Explanation of Carcinogenicity:CONTAINS B [71-43-2] WHICH IS
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.
Effects of Overexposure:SWALLOWING: CAUSES NAUSEA, VOMITING, HEADACHE,
DIZZINESS AND UNCONSCIOUSNESS. INHALATION: MAY CAUSE A STINGING
SENSATION & ITCHING SENSATION IN THE EYES, NOSE & THROAT, COUGHING,
EXCESSIVE BLINKING, TEAR PRODUCTION, NAUSEA & POSSIBLY VOMITING,
HEADACHE, INCOORDINATION & EVENTUALLY UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure:BECAUSE OF ITS DEFATTING
PROPERTIES, THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMATITIS.

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

First Aid:SWALLOWING: GIVE TWO GLASSES OF WATER. DO NOT INDUCE
VOMITING. CALL A PHYSICIAN. SKIN: FLUSH WITH WATER. INHALATION:
REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING. QUALIFIED PERSONNEL
MAY GIVE OXYGEN IF BREATHING IS DIFFICULT. CALL A PHYSICIAN. EYES:
IMMEDIATELY FLUSH EYES THOROUGHLY WITH WATER & CONTINUE WASHING FOR
AT LEAST 15 MIN. OBTAIN MEDICAL ATTENTION, PREFERABLY FROM AN
OPHTHALMOLOGIST.

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

Flash Point Method:TCC
Flash Point:0F,-18C
Lower Limits:2.15
Upper Limits:13.0
Extinguishing Media:USE C

ARBON DIOXIDE, FOAM, OR DRY CHEMICALS FOR
SMALL FIRES. USE ALCOHOL-TYPE OR ALL-PURPOSE-TYPE FOAMS FOR LARGE
FIRES.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS &
PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE-EXPOSED
CONTAINERS & STRUCTURES. USE WATER SPRAY TO DISPERSE VAPORS.

Unusual Fire/Explosion Hazard:VAPORS FORM FROM THIS PRODUCT & MAY
TRAVEL OR BE MOVED BY AIR CURRENT & IGNITED BY PILOT LIGHTS, ETC AT
OTHER LOCATIONS DITANT FROM HANDLING POINT

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

Spill Release Procedures:EXTINGUISH & DO NOT TURN ON ANY IGNITION
SOURCE UNTIL AREA IS DETERMINED TO BE FREE FROM EXPLOSION HAZARD OR
FIRE HAZARD. WEAR SUITABLE PROTECTIVE EQUIPMENT. COLLECT LARGE
SPILLS FOR DISPOSAL. FLUSH S MALL SPILLS WITH WATER.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS & FLAME.

AVOID BREATHING VAPOR. KEEP CONTAINER CLOSED. AVOID CONTACT WITH
EYES. USE WITH ADEQUATE VENTILATION.

Other Precautions:DANGER! EXTREMELY FLAMMABLE. HARMFUL IF INHALED.
CAUSES EYE IRRITATION. ASPIRATION MAY CAUSE LUNG DAMAGE. MAY CAUSE
DIZZINESS OR DROWSINESS. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOR
CONCENTRATIONS.

Ventilation:MECHANICAL (GENERAL) ROOM
VENTILATION IS NORMALLY ADEQUATE.

LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:RUBBER.

Eye Protection:MONOGOGGLES.

Other Protective Equipment:EYE BATH, SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health
NONE

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

HCC:F2

Boiling Pt:B.P. Text:133F,56C

Vapor Pres:184

Vapor Density:2.0

Spec Gravity:0.7915

Evaporation Rate & Reference:14.4 (BUTYL ACE

TATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID, SHARP, PENETRATING, NON-RESIDUAL
ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS (SUCH AS NITRIC ACID) AND ALKALIES.

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:BURNING CAN PRODUCE CARBON MONOXIDE
AND/OR CARBON DIOXIDE.

===== Disposal Considerations ==

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Waste Disposal Methods:INCINERATE IN A FURNACE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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