

Acetone

Health: 1
Flammability: 3
Reactivity: 0



F

SECTION I

08/07/86

Identity: **ACETONE** CAS: 67-64-1 Matl ID: 1116
ChemName: N/A MSDS Source: MALLINCKRODT, INC
Address: PO BOX M PARIS KY 40361
MSDS Date: 09/05/85 Emergency: (314)982-5000 Information: (314)982-5000
Synonyms: DIMETHYLKETONE 2-PROPANONE
CH3COCH3

SECTION II - INGREDIENTS

Ingredient Name/Chem Identity	%	CAS	OSHA PEL	ACGIH TLV	STEL or OTHER
N/A					

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boil Pt: 133 F Spec Gravity (H2O=1): 0.8 Vapor Pressure: 400 MM Hg
Melt Pt: -139 F Vapor Density (Air=1): 2 Soluble in Water: Y
Evap Rate: 7 (Re: Butyl Acetate) Mat'l: LIQUID Volatile by Vol: 100.0%
Appearance & Odor, Water Solubility:
CLEAR, COLORLESS, VOLATILE LIQUID. FRAGRANT, MINT LIKE. MISCIBLE
IN ALL PROPORTIONS IN WATER.

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Pt: 0 F Explosive Limits: LEL= 2.6 UEL=12.8 %
Flammable: Y Combustible Liquid: N/A Autoignition Temp: 869 F
Extinguishing Media:
WATER, DRY CHEMICAL, FOAM, CARBON DIOXIDE. WATER SPRAY MAY BE USED TO
COOL FIRE EXPOSED CONTAINERS.

Special Fire Fighting Procedures:
WEAR FULL PROTECTIVE CLOTHING AND NIOSH APPROVED SELF CONTAINED
BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE
MODE

Unusual Fire/Explosion Hazards:
ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE
LIMITS NOTED ABOVE.

SECTION V - REACTIVITY DATA

Unstable: N Hazardous Polymerization May Occur: N
Stability-Conditions to Avoid:
N/A

Incompatibility-Conditions to Avoid:
OXIDIZING AGENTS, CHLOROFORM, ALKALIES, ACIDS, POTASSIUM T-BUTOXIDE

Hazardous Decomposition or Byproducts:
CARBON DIOXIDE AND CARBON MONOXIDE MAY FORM WHEN HEATED TO DECOMPOSI-
TION.

Polymerization-Conditions to Avoid:
N/A

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-----SECTION VI - HEALTH HAZARD DATA-----

Route(s) of Entry: Inhalation? Y Skin? Y Ingestion? Y
Carcinogenicity: NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A
Exposure Limits: OSHA TWA? 1000 PPM ACGIH TLV? 750 PPM

Health Hazards (Acute & Chronic):
DANGER! EXTREMELY FLAMMABLE. HARMFUL IF SWALLOWED OR INHALED.
CAUSES IRRITATION.

Signs or Symptoms of Exposure:
IRRITATING TO NOSE, THROAT, MUCOUS MEMBRANE. MAY CAUSE DIZZINESS,
DULLNESS, HEADACHE. NARCOTIC IN HIGH CONCENTRATIONS.

Medical Conditions Aggravated by Exposure:
USE OF ALCOHOLIC BEVERAGES ENHANCES TOXIC EFFECTS.

Emergency & First Aid Procedures:
INHALED, FRESH AIR, MEDICAL ATTENTION. INGESTED, WATER, INDUCE VOMIT-
ING, MEDICAL ATTENTION. SKIN, WASH WITH SOAP/WATER FOR 15 MINUTES.
EYES, FLUSH FOR 15 MINUTES, MEDICAL ATTENTION.

-----SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE-----

Steps to Take for Material Release or Spill:
ISOLATE OR ENCLOSE AREA, REMOVE ALL SOURCES OF IGNITION. LARGE SPILLS
CAN BE COLLECTED AS HAZARDOUS WASTE OR ABSORBED ON VERMICULITE FOR
DISPOSAL. DO NOT FLUSH TO SEWER.

Waste Disposal Methods:
ATOMIZE IN A SUITABLE RCRA APPROVED COMBUSTION CHAMBER OR DISPOSE IN A
RCRA APPROVED FACILITY. DO NOT FLUSH TO SEWER.

Precautions in Handling & Storage:
PROTECT AGAINST PHYSICAL DAMAGE. STORE IN COOL, DRY WELL-VENTILATED
AREA AWAY FROM POSSIBLE FIRE HAZARD. OUTSIDE OR DETACHED STORAGE IS
PREFERRED. SEPARATE FROM OXIDIZING MATERIALS.

Other Precautions:
REPORTABLE QUANTITY: 5000 POUNDS.
CONTAINERS SHOULD BE BONDED AND GROUNDED FOR TRANSFERS TO AVOID STATIC
SPARKS. STORAGE AND USE AREAS SHOULD BE NO SMOKING AREAS.

-----SECTION VIII - CONTROL MEASURES-----

Protection: Gloves? Y Eye? Y Respirator? N Spec'l Clothes? Y
Ventilation Comment:
LOCAL EXHAUST AT SOURCE

Protective Equipment/Clothing Comment:
IMPERVIOUS CLOTHING: BOOTS, GLOVES, LAB COAT, APRON OR COVERALLS,
CHEMICAL SAFETY GOGGLES AND/OR FULL FACE SHIELD WHERE SPLASHING IS
POSSIBLE.

Work or Hygienic Practices:
DO NOT WEAR CONTACT LENSES.