

MATERIAL SAFETY DATA SHEET

VALLEY SOLVENTS AND CHEMICALS
 Harlingen - Corpus Christi - Fort Worth - Houston - San Antonio

EMERGENCY CHEMTREC PHONE: 1-800-424-9300

HAZARD RATING: ACUTE HEALTH: 3 FIRE: 4 REACTIVITY: 0
 (Rating least - 0, slight - 1, moderate - 2, high - 3, extreme - 4)

*For acute and chronic health effects refer to the discussion in Section III

SECTION I

Product name: ACETONE
 Synonyms: DMK, Dimethyl ketone
 Chemical name: 2-Propanone
 Chemical family: Ketone

Product code: 104001, 204001, 304001, 404001
 Distributor: Valley Solvents & Chemicals
 Manufacturer: Various

SECTION II-A PRODUCT/HAZARDOUS COMPONENTS¹

No.	COMPOSITION	CAS NUMBER	PERCENT
P	Acetone	67-64-1	100

SECTION II-B ACUTE TOXICITY DATA

No.	ACUTE URAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
P	9.75 g/kg(rat)	20.0 g/kg(rabbit)	16000 ppm/4hrs(rat)

SECTION II-C SARA TITLE III INFORMATION

No.	SEC 313 (#1)	311/312 CATEGORIES (#2)	CERCLA (#3)	RCRA (#4)
P	Y	H-1, H-2, P-3	X	X

NOTES FOR SECTION II-C

- #1 = TOXIC CHEMICAL, SEC 313
 - #2 = HAZARD CATEGORIES FOR SARA SEC 311/312 REPORTING:
 HEALTH: H-1 = IMMEDIATE (ACUTE) HEALTH HAZARD; H-2 = DELAYED (CHRONIC) HEALTH HAZARD
 PHYSICAL: P-3 = FIRE-HAZARD; P-4 = SUDDEN RELEASE OF PRESSURE HAZARD; P-5 = REACTIVE HAZARD
 - #3 = CERCLA - LISTED UNDER CERCLA (Comprehensive Environmental Response, Compensation and Responsibility Act, (40 CFR Part 302, Table 302.4)
 - #4 = RCRA - RCRA Hazardous wastes from the P and U lists only (40 CFR 261.33).
- See SECTION XI for additional CERCLA and RCRA information

SECTION III HEALTH INFORMATION

The health effects noted below are consistent with requirements under the OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

PRIMARY ROUTES OF EXPOSURE: (X) Inhalation (X) Skin absorption (-) Ingestion

TARGET ORGANS:

CNS	Skin	Eyes	Resp. syst.	Liver	Kidney	Lungs	PNS	CVS	Blood tract	G.I.	Lymph	Heart
	X	X	X									

No. EYE CONTACT

P Liquid is severely irritating to the eyes. High vapor concentrations may cause irritation.

No. SKIN CONTACT

P Liquid is mildly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.

No. INHALATION

¹ Those components present at concentrations of 1.0% or more if a hazardous or toxic chemical, or 0.1% or more if a carcinogen.

P High vapor concentrations may cause CNS depression.

No. INGESTION

P Ingestion may result in CNS depression.

No. SIGNS AND SYMPTOMS

P Irritation as noted above.

> Early to moderate CNS (Central Nervous System) depression may be evidenced by giddiness, headache, dizziness and nausea; in extreme cases, unconsciousness and death may occur. Aspiration pneumonia may be evidenced by coughing, labored breathing and cyanosis (bluish skin); in severe cases death may occur.

No. AGGRAVATED MEDICAL CONDITIONS

P Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

SEE SECTION VI FOR SUPPLEMENTAL INFORMATION.

SECTION IV OCCUPATIONAL EXPOSURE LIMITS

No.	OSHA PEL/TWA	PEL/CEILING	ACGIH TLV/TWA	TLV/STEL
P	1000 ppm		750 ppm	1000 ppm

SECTION V EMERGENCY AND FIRST AID PROCEDURES

No. EYE CONTACT

P Immediately flush with copious amounts of water for at least 15 minutes. Get medical attention.

No. SKIN CONTACT

P Remove contaminated clothing. Wash material off skin with copious amounts of soap and water. If irritation occurs, get medical attention.

No. INHALATION

P Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

No. INGESTION

XP Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30 cc (2 tablespoons) syrup of Ipecac.† If Ipecac is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. Get medical attention.

NOTE TO PHYSICIAN

P †Note to the physician: If victim is a child, give no more than 1 glass of water and 15 cc (1 tablespoon) syrup of Ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

SECTION VI SUPPLEMENTAL HEALTH INFORMATION

CARCINOGENICITY: Unless indicated otherwise below, no component of this product has been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA.

No.

P None

SECTION VII PHYSICAL DATA

Boiling point/range(° F): 133	Solubility in water: COMPLETE
Specific gravity (H ₂ O=1): 0.8	Vapor pressure (mm Hg): 186
Evaporation rate (n-Butyl acetate=1): 3.6	Vapor density (air=1): 2.0
Appearance and odor: CLEAR LIQUID MILD ODOR	

SECTION VIII FIRE AND EXPLOSION HAZARDS

Flash point, ° F*: -15	Flammable limits, % volume in air Lower: 2.6 Upper: 12.8
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* TCC unless otherwise specified.

No. EXTINGUISHING MEDIA

P Use water fog, foam, dry chemical or CO₂.

No. SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

P CAUTION---EXTREMELY FLAMMABLE LIQUID---Do not enter confined firespace without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

No. UNUSUAL FIRE AND EXPLOSION HAZARDS

P Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of

water as needed to prevent weakening of container structure.

SECTION IX REACTIVITY

Stability: Stable

Hazardous polymerization: Will not occur

No. CONDITIONS AND MATERIALS TO AVOID

P Avoid heat, flame and contact with strong oxidizing agents.

No. HAZARDOUS DECOMPOSITION PRODUCTS

P Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION X EMPLOYEE PROTECTION

No. RESPIRATORY PROTECTION

P Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits (Sec. IV) use a NIOSH-approved respirator to prevent overexposure.

No. PROTECTIVE CLOTHING

P Avoid contact with the eyes. Wear safety glasses or goggles as appropriate. Avoid prolonged or repeated contact with the skin. Wear chemical-resistant gloves and other clothing as required to minimize contact.

No. ADDITIONAL PROTECTIVE MEASURES

P Use explosion-proof ventilation as required to control vapor concentrations.

SECTION XI ENVIRONMENTAL PROTECTION

No. SPILL OR LEAK PROCEDURES

P CAUTION; EXTREMELY FLAMMABLE LIQUID

*** LARGE SPILLS *** Eliminate potential sources of ignition. Wear appropriate respirator and other protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an inert absorbent such as clay, sand or other suitable material; place in non-leaking containers and seal tightly for proper disposal. Flush area with water to remove trace residue; dispose of flush solution as above.

*** SMALL SPILLS *** Take up with an absorbent material and place in non-leaking containers for proper disposal.

No. WASTE DISPOSAL - RCRA INFORMATION

P Under EPA RCRA (40 CFR 261.21), if this product becomes a waste material, it would be ignitable hazardous waste, Hazardous Waste Number D001. Refer to latest EPA or state regulations regarding proper disposal.

No. ENVIRONMENTAL HAZARDS - CERCLA INFORMATION

P Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 800-424-8802. EPA-Comprehensive Environmental Response, Compensation and Responsibility Act. Under EPA-CERCLA releases to air, land or water may be reportable to the National Response Center, 800-424-8802 (Circumstances surrounding the release and cleanup determine reportability).

SECTION XII SPECIAL PRECAUTIONS

No. SPECIAL PRECAUTIONS

P Keep liquid and vapor away from heat, sparks and flame. Surfaces that are sufficiently hot may ignite liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to the ignition sources distant from the handling sight; flash-fire can result. Keep containers closed when not in use. Use with adequate ventilation.

P Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

P Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

P Wash with soap and water before eating, drinking, smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing before reuse.

SECTION XIII TRANSPORTATION REQUIREMENTS

DOT Classification: FLAMMABLE LIQUID

DOT Proper Shipping Name: ACETONE

UN Number: UN 1090

RQ (Reportable Quantity): NONE

SECTION XIV OTHER REGULATORY CONTROLS

The components of this product are listed on the EPA/TSCA inventory of chemical substances.

The information contained herein is based on the data available to us and is believed to be correct. However, VALLEY SOLVENTS makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. VALLEY SOLVENTS assumes no responsibility for injury from the use of the product described herein.

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