

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

SECTION 1: PRODUCT IDENTIFICATION

Product Name:

Acetone

General or Generic ID:

Ketone

Hazard Classification:

(03) Flammable Liquid (173.115)

SECTION 2: HAZARDOUS COMPONENTS

Ingredient	Percent	TLV
Acetone	>95%	1000 PPM

SECTION 3: PHYSICAL DATA

Property	Refinement	Measurement
Initial Boiling Point	for product	133.00 deg F (56.11 Deg C) @760.00 MMHG
Vapor Pressure	for product	186.00 MMHG @68.00 Deg F (20.00 Deg C)
Vapor Density	AIR=1	2.0
Specific Gravity		.790 @68.00 Deg F (20.00 Dec C)
Percent Volatiles		100.00%
Evaporation Rate	(BU AC =1)	6.00

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Closed cup):

-4.00 Deg F
(-20.00 Deg C)

Lower Explosive Limit:

2.6%

Extinguishing Media:

Alcohol foam or carbon dioxide or dry chemical.

Hazardous Decomposition Products:

May form toxic materials; carbon dioxide and carbon monoxide, nitrogen compounds, various hydrocarbons, etc.

Special Firefighting Procedures:

Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode.

Unusual Fire & Explosion Hazards:

Material is highly volatile and readily gives off vapors which may travel along ground or be moved by ventilation and may cause flash fires or be ignited explosively by pilot lights, other flames, sparks, heaters, smoking, electric motors, or other sources of ignition at locations distant from material handling point.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

SECTION 5: HEALTH HAZARD DATA

Threshold Limit Value:

1000 PPM

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Effects of Overexposure:

Eyes: Can cause severe irritation, redness, tearing, blurred vision.
Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
Breathing: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.
Swallowing: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

First Aid:

If on Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
If in Eyes: Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.
If Swallowed: Give two glasses of water; Induce vomiting immediately by sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person.
If Breathed: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.

SECTION 6: REACTIVITY DATA

Hazardous Polymerization:

Cannot occur.

Stability:

Stable

Incompatibility:

Avoid contact with; Strong oxidizing agents (E.G. nitric acid, permanganates, etc.), Strong alkalies (E.G. NAOH, NH4OH, etc.), Strong mineral acids (E.G. H2SO4, HCL, etc.)

SECTION 7: SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released:

Small Spill: Absorb liquid on paper, vermiculite, floor absorbant, or other absorbant material and transfer to hood.
Large Spill: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage

tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbant, or other absorbant material and shoveled into containers.

Waste Disposal Method:

- Small Spill: Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood duct work. Destroy remaining material by burning in an iron pan.
- Large Spill: Destroy by liquid incineration.
Material collected on absorbant material may be deposited in a posted toxic substance landfill in accordance with local, state, and federal regulations.
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SECTION 8: PROTECTIVE EQUIPMENT TO BE USED

Respiratory Protection:

If TLV of the product or any component is exceeded, a NIOSH/MESA jointly approved self-contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode is advised; However, OSHA regulations also permit other NIOSH/MESA respirators under specified conditions. (See your safety equipment supplier.)

Ventilation:

Provide sufficient mechanical (general) and/or local exhaust ventilation to maintain exposure below TLV(s).

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Protective Gloves:

Wear resistant gloves such as: natural rubber, neoprene, buna-n

Eye Protection:

Chemical splash goggles in compliance with OSHA regulations are advised; However, OSHA regulations also permit other type safety glasses. (See your safety equipment supplier.)

Other Protective Equipment:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION 9: SPECIAL PRECAUTIONS OR OTHER COMMENTS

Containers of this material may be hazardous when emptied. Since emptied containers retain residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

Overexposure to material has apparently been found to cause the following effects in laboratory animals; overexposure to components has apparently been found to cause the following effects in laboratory animals: Liver abnormalities, kidney damage, eye damage, lung damage, spleen damage.

Overexposure to components has been suggested as a cause of the following effects in humans: Liver abnormalities, central nervous system damage.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with AerChem or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.