



MATERIAL SAFETY DATA SHEET

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ACETIC ACID, AMMONIUM SALT, 98%

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
ACETIC ACID, AMMONIUM SALT, 98%

Catalog Numbers:
16988-0000, 16988-0010, 16988-0025, 16988-0050

Synonyms:
Ammonium acetate

Company Information:
LEONID CHEMICALS
62/A-2 2nd Stage, Industrial Suburb
Yeshwanthpur, Bangalore -22, INDIA
Ph- +91-80-23378354

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS # : 631-61-8
Chemical Name : ACETIC ACID, AMMONIUM SALT
% : 98%
EINECS# : 211-162-9
Hazard Symbols : None Listed.
Risk Phrases : None Listed.

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Hygroscopic (absorbs moisture from the air).

Potential Health Effects

Eye:
Causes eye irritation.

Skin:
May cause skin irritation. May be harmful if absorbed through the skin.

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Ingestion:

May cause irritation of the digestive tract. May cause muscle tremor and impaired motor function. May be harmful if swallowed.

Inhalation:

May cause respiratory tract irritation. May be harmful if inhaled.

Chronic:

Chronic ingestion may cause liver damage.

SECTION 4- FIRST AID MEASURES

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

Induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Information not available.

SECTION 5- FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container.

SECTION 7 - HANDLING AND STORAGE

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard En166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Crystals
Color	:	White.
Odor	:	Acetic Odor.
PH	:	Information not available.
Vapor Pressure	:	Information not available.
Viscosity	:	Information not available.

Boiling Point	:	Information not available.
Freezing/Melting Point	:	100 deg C
Autoignition Temperature	:	Information not available.
Flash Point	:	136 deg C (276.80 deg F)
Explosion Limits, lower	:	Information not available.
Explosion Limits, upper	:	Information not available.
Decomposition Temperature	:	Information not available.
Solubility in water	:	1480 G/L (20°C)
Specific Gravity/Density	:	1.0730g/cm ³
Molecular Formula	:	C ₂ H ₇ NO ₂
Molecular Weight	:	77.08

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid:

Incompatible materials, dust generation, exposure to moist air or water.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong acids, sodium hypochlorite.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, nitrogen oxides (NO_x) and ammonia (NH₃).

Hazardous Polymerization:

Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 631-61-8: Af3675000

LD50/LC50:

Information not available.

Carcinogenicity:

ACETIC ACID, AMMONIUM SALT - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

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SECTION 12 - TRANSPORT INFORMATION

Ecotoxicity:

LC50 (24 hr) Mosquito fish (fresh water)=238 mg/l, LC50 (48 hr) carp for unionised ammonia 1.15-1.06 mg/l. In a study of *Tilapia mossambica* it was concluded that ammonium acetate harmed fish because of its neurotoxic effect. Target organ muscle. [Dictionary of Substances and their Effects; Editor M.L. Richardson].

Other:

See "The dictionary of substances and their effects" (editor: M.L. Richardson) for more information.

SECTION 14 - TRANSPORT INFORMATION

IATA

No information available.

IMO

No information available.

RID/ADR

No information available.

SECTION 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives.

Hazard Symbols:

Information not available.

Risk Phrases:

Information not available.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 631-61-8: 1

United Kingdom Occupational Exposure Limits

No information available.

US FEDERAL

TSCA

CAS# 631-61-8 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

