



MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**
62/A-2 2nd Stage, Industrial Suburb
Ashokpuram School Road, Yeshwanthpur
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Alum Potassium Sulfate Acs 3kg - 19200

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

Alum Potassium Sulfate Acs 3kg

Catalog Numbers:

A/2400, A/2440

Synonyms:

Information not available.

Company Information:

LEONID CHEMICALS

62/A-2 1st Stage, Yeshwanthpur Industrial Suburb

Ashokpuram School Road

Bangalore-560 022, Karnataka, INDIA

Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	7784-24-9
Chemical Name	:	Information not available.
%	:	Information not available.
EINECS#	:	unlisted
Hazard Symbols	:	None Listed.
Risk Phrases	:	None Listed.

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Information not available.

Potential Health Effects

The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

SECTION 4- FIRST AID MEASURES

Eyes:

Information not available.



Skin:

Information not available.

Ingestion:

Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Information not available.

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.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

SECTION 6- ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Sweep up, then place into a suitable container for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling:

Information not available.

Storage:

Information not available.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes:

Wear safety glasses and chemical goggles if splashing is possible.

Skin:

Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing:

Information not available.

Respirators:

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Solid
Color	:	White crystals.
Odor	:	Odorless
PH	:	3.3 (0.2M solution)
Vapor Pressure	:	Not applicable.
Viscosity	:	Not applicable.
Boiling Point	:	Information not available.
Freezing/Melting Point	:	92.5 deg C
Autoignition Temperature	:	Not applicable.
Flash Point	:	Not applicable.
Explosion Limits, lower	:	Information not available.
Explosion Limits, upper	:	Information not available.
Decomposition Temperature	:	200 deg C(-water)
Solubility in water	:	Appreciable solubility in water.
Specific Gravity/Density	:	1.757
Molecular Formula	:	AlK(SO4)2.12H2O
Molecular Weight	:	474.3558

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Information not available.

Incompatibilities with Other Materials:
Strong oxidizing agents - steel - aluminum - copper - zinc.

Hazardous Decomposition Products:
Oxides of sulfur, aluminum oxide.

Hazardous Polymerization:
Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 7784-24-9: Ws5690000

LD50/LC50:
Information not available.

Carcinogenicity:
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

Information not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

SECTION 14 - TRANSPORT INFORMATION

IATA

Shipping Name : FLAMMABLE SOLID, ORGANIC, N.O.S.*
Hazard Class : 4.1
UN Number : 1325
Packing Group : II

IMO

Shipping Name : FLAMMABLE SOLID, ORGANIC, N.O.S.
Hazard Class : 4.1
UN Number : 1325
Packing Group : II

RID/ADR

Shipping Name : FLAMMABLE SOLID, ORGANIC, N.O.S.
Hazard Class : 4.1
UN Number : 1325
Packing group : II

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:
Information not available.

WGK (Water Danger/Protection)
CAS# 7784-24-9: No information available.

United Kingdom Occupational Exposure Limits
Information not available.

United Kingdom Maximum Exposure Limits
Information not available.

Canada
None of the chemicals in this product are listed on the DSL/NDSL list. CAS# 7784-24-9 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits
CAS# 7784-24-9: OEL-AUSTRALIA: TWA 2 mg(AI)/m³
OEL-BELGIUM: TWA 2 mg(AI)/m³
OEL-DENMARK: TWA 2 mg(AI)/m³
OEL-FRANCE: TWA 2 mg(AI)/m³
OEL-THE NETHERLANDS: TWA 2 mg(AI)/m³
OEL-RUSSIA: TWA 2 mg(AI)/m³
OEL-SWEDEN: TWA 2 mg(AI)/m³
OEL-SWITZERLAND: TWA 2 mg(AI)/m³
OEL-UNITED KINGDOM: TWA 2 mg(AI)/m³
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

US FEDERAL
TSCA

CAS# 7784-24-9 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the inventory (40CFR720.3(u)(2)).

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.



