



MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**
62/A-2 2nd Stage, Industrial Suburb
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Ammonium Bromide - 01140

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
Ammonium Bromide

Catalog Numbers:
A/3520, A/3560, BP/A140

Synonyms:
Hydrobromic acid monoammoniate

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 #	:	12124-97-9
Chemical Name	:	AMMONIUM BROMIDE
%	:	100
EINECS#	:	235-183-8
Hazard Symbols	:	None Listed
Risk Phrases	:	None Listed

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Information not available.

Potential Health Effects

Eye:
Causes eye irritation.

Skin:
Causes skin irritation.



Ingestion:

May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation:

Causes respiratory tract irritation.

Chronic:

No information available.

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:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. 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 if cough or other symptoms appear.

Notes to Physician:

No information 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:

Use water spray to cool fire-exposed containers. 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. Avoid generating dusty conditions.

SECTION 7 - HANDLING AND STORAGE

Handling:

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

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 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	:	Solid
Color	:	White, slightly hygroscopic crystals or granules
Odor	:	Odorless

PH	:	Slightly acidic.
Vapor Pressure	:	1 mm Hg @ 198C
Viscosity	:	Information not available.
Boiling Point	:	Information not available.
Freezing/Melting Point	:	846 deg F
Autoignition Temperature	:	Information not available.
Flash Point	:	Information not available.
Explosion Limits, lower	:	Information not available.
Explosion Limits, upper	:	Information not available.
Decomposition Temperature	:	Information not available.
Solubility in water	:	97% in water.
Specific Gravity/Density	:	2.4
Molecular Formula	:	NH4Br
Molecular Weight	:	97.9387

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
Stable.

Conditions to Avoid:
Incompatible materials, moisture.

Incompatibilities with Other Materials:
Incompatible with strong oxidizing agents, strong acid, strong bases, potassium and sodium.

Hazardous Decomposition Products:
Hydrogen bromide, ammonia and/or derivatives.

Hazardous Polymerization:
Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 12124-97-9: BO9155000

LD50/LC50:
CAS# 12124-97-9: Oral, mouse: LD50 = 2860 mg/kg; Oral, rat: LD50 = 2700 mg/kg.

Carcinogenicity:

AMMONIUM BROMIDE -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

No Information 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 : NITRATES, INORGANIC, N.O.S.
Hazard Class : 5.1
UN Number : 1477
Packing Group : II

IMO

Shipping Name : NITRATES, INORGANIC, N.O.S.
Hazard Class : 5.1
UN Number : 1477
Packing Group : II

RID/ADR

Shipping Name : NITRATES, INORGANIC, N.O.S.
Hazard Class : 5.1
UN Number : 1477
Packing Group : II

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives

Hazard Symbols:
Not Available

Risk Phrases:
No information available.

Safety Phrases:
No information available.

WGK (Water Danger/Protection)
CAS# 12124-97-9: No information available.

United Kingdom Occupational Exposure Limits
No information available.

United Kingdom Maximum Exposure Limits
No information available.

Canada
CAS# 12124-97-9 is listed on Canada's DSL List.
CAS# 12124-97-9 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits
No information available.

US FEDERAL
TSCA
CAS# 12124-97-9 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.