

**SAFETY DATA SHEET
AMMONIUM CHLORIDE LRG****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME AMMONIUM CHLORIDE LRG
PRODUCT NO. 1506
APPLICATION General chemical reagent
SUPPLIER Reagent Chemical Services
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2 COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX NO. 017-014-00-8
EC (EINECS) NO. 235-186-4
CAS-NO. 12125-02-9

3 HAZARDS IDENTIFICATION

Harmful if swallowed. Irritating to eyes.

CLASSIFICATION Xn;R22 Xi;R36

4 FIRST-AID MEASURES**INHALATION**

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately!

SKIN CONTACT

Immediately remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

The product is non-combustible. If heated, corrosive and toxic vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

7 HANDLING AND STORAGE

AMMONIUM CHLORIDE LRG**USAGE PRECAUTIONS**

Avoid inhalation of dust and contact with skin and eyes. Eye wash facilities and emergency shower must be available when handling this product.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
AMMONIUM CHLORIDE LRG	OES		10 mg/m3		20 mg/m3

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Use protective gloves made of: Rubber or plastic.

EYE PROTECTION

Wear safety glasses. Wear dust resistant safety goggles where there is danger of eye contact.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated.

Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder		
COLOUR	White / off-white		
ODOUR	No characteristic odour.		
SOLUBILITY	Completely soluble in water		
MOL. WEIGHT	53.49 g/mol	BOILING POINT (°C)	520 760 mm Hg
MELTING POINT (°C)	339	RELATIVE DENSITY	1.53
VAPOUR DENSITY (air=1)	1.9	VAPOUR PRESSURE	1 mm Hg 160
SOLUBILITY VALUE (g/100g H ₂ O@20°C)	37		

10 STABILITY AND REACTIVITY**STABILITY**

The substance is hygroscopic and will absorb water by contact with the moisture in the air.

CONDITIONS TO AVOID

Avoid heat.

MATERIALS TO AVOID

Bases, alkalis (inorganic). Bases, alkalis (organic).

HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia. Hydrogen chloride (HCl).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 1650 mg/kg (oral rat)

INHALATION

Irritating to respiratory system. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

Irritation of the mouth, the oesophagus and the gastrointestinal tract. Irritating. May cause nausea, stomach pain and vomiting. Ingestion of large amounts may cause unconsciousness.

SKIN CONTACT

Slightly irritating.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

AMMONIUM CHLORIDE LRG

ECOTOXICITY

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

LC 50, 96 Hrs, FISH mg/l

0.14, *Menidia menidia***13 DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

LABELLING



Harmful

RISK PHRASES

R22 Harmful if swallowed.

R36 Irritating to eyes.

SAFETY PHRASES

S2 Keep out of the reach of children

S22 Do not breathe dust.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals.

Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION

REVISION COMMENTS

This is first issue.

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