

Material Safety Data Sheet (MSDS)

Product Name: Ammonium Chloride BP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

- **Product Name:** Ammonium Chloride BP Grade
- **Synonyms:** Sal Ammoniac
- **CAS No.:** 12125-02-9
- **Molecular Formula:** NH_4Cl
- **Molecular Weight:** 53.49 g/mol
- **Recommended Use:** Pharmaceutical ingredient, laboratory reagent, food & industrial applications

2. Hazard Identification

- Classified as **non-hazardous** under normal conditions of use
- May cause **eye, skin, and respiratory irritation**
- Prolonged exposure may affect respiratory tract
- Not classified as carcinogenic

3. Composition / Information on Ingredients

- **Substance:** Ammonium Chloride
- **Purity:** BP Grade
- **Chemical Nature:** Inorganic salt

4. First Aid Measures

- **Inhalation:** Move person to fresh air; seek medical advice if symptoms persist
- **Skin Contact:** Wash with plenty of water
- **Eye Contact:** Rinse immediately with water for at least 15 minutes
- **Ingestion:** Rinse mouth; do not induce vomiting; seek medical attention

5. Fire-Fighting Measures

- **Flammability:** Non-flammable
- **Suitable Extinguishing Media:** Water spray, CO₂, dry chemical
- **Hazardous Decomposition:** May release ammonia and hydrogen chloride fumes
- **Protective Equipment:** Self-contained breathing apparatus

6. Accidental Release Measures

- Avoid dust formation
- Use protective equipment
- Sweep up and collect in suitable containers
- Prevent entry into drains and water bodies

7. Handling and Storage

- Handle with adequate ventilation
- Avoid inhalation of dust

- Store in a cool, dry, well-ventilated area
- Keep container tightly closed

8. Exposure Controls / Personal Protection

- **Respiratory Protection:** Dust mask if required
- **Eye Protection:** Safety goggles
- **Skin Protection:** Gloves and protective clothing
- **Hygiene Measures:** Wash hands after handling

9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Odorless
- **Solubility:** Soluble in water
- **pH (5% solution):** Slightly acidic
- **Melting Point:** ~338°C (decomposes)

10. Stability and Reactivity

- **Stability:** Stable under recommended conditions
- **Incompatible Materials:** Strong bases, oxidizing agents
- **Hazardous Reactions:** None under normal use

11. Toxicological Information

- Low toxicity
- May cause irritation on prolonged exposure
- No known chronic toxicity under normal industrial use

12. Ecological Information

- Not expected to be harmful to aquatic life in small quantities
- Large discharges may affect water pH
- Biodegradable

13. Disposal Considerations

- Dispose in accordance with local and national regulations
- Do not dispose into drains
- Packaging should be disposed of safely

14. Transport Information (Detailed)

UN Number: Not regulated

UN Proper Shipping Name: Not classified as dangerous goods

Transport Classification:

- **ADR/RID (Road/Rail):** Not regulated
- **IMDG (Sea Transport):** Not regulated
- **IATA (Air Transport):** Not regulated

Hazard Class: Not applicable

Packing Group: Not applicable

Environmental Hazards:

- Not classified as marine pollutant
- Avoid spillage during transport to prevent environmental contamination

Special Transport Precautions:

- Transport in tightly sealed, moisture-resistant containers
- Protect from physical damage and excessive humidity
- Ensure proper labeling and documentation during transportation

Bulk Transport:

- Not applicable

15. Regulatory Information

- Complies with BP (British Pharmacopoeia) standards
- Not listed as hazardous under major international regulations
- Follow local safety and chemical handling laws

16. Other Information

- Information provided is based on current knowledge
- Intended for professional use only
- MSDS prepared for regulatory and safety reference
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.