

**CORPORATE PURCHASE SPECIFICATION**

AA 556 21

Rev. No. 02

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**AMMONIUM CHLORIDE - TECHNICAL****1.0 GENERAL:**

This specification governs the quality requirements of Ammonium Chloride, technical grade.

**2.0 APPLICATION:**

For Use in soldering, galvanizing and tinning as a flux material.

**3.0 COMPLIANCE WITH NATIONAL STANDARDS:**

The material shall comply, with the requirements of the following national standard and also meet the requirements of this specification.

IS: 1113 -1965(RA-2003): Ammonium Chloride, Technical and Pure.

Gr: Technical

**4.0 CHEMICAL COMPOSITION:**

The material shall consist of Ammonium Chloride as  $\text{NH}_4\text{Cl}$ , 98.5% by weight minimum (on dry basis) and shall be in the form of white crystals or pellets and free from hard caking, perceptible odour and also any visible impurities.

**5.0 TEST SAMPLES:**

As per Appendix C of IS: 1113.

**6.0 PROPERTIES:**

When tested in accordance with relevant clauses of IS: 1113, shown against each, the material shall show the following properties:

**6.1 Moisture (Appendix a of IS : 1113):**

1.0% by mass.

**6.2 Ammonium Chloride as  $\text{NH}_4\text{Cl}$  (Appendix A-4 of IS : 1113):**

98.5% minimum by mass (on dry basis).

**Revisions:**

As per 40<sup>th</sup> MOM of MRC-CPO

**APPROVED:**

**INTERPLANT MATERIAL  
RATIONALISATION COMMITTEE-MRC (CPO)**

Rev. No. 02

Amd.No.

Reaffirmed

Prepared  
BHOPALIssued  
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Dt:

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**7.0 TEST CERTIFICATES:**

Three copies of test certificates shall be furnished alongwith each consignment giving the following information:

In addition, the supplier shall ensure to enclose one copy of the test certificate alongwith the dispatch documents to facilitate quick clearance of the material.

AA 556 21, Rev 02: Ammonium Chloride (Technical).

BHEL Order No.

Manufacturer's/Supplier's Name and Trade Mark, if any.

Date of manufacture and expiry, if any

Batch/lot No.

Test results of Cl. 5.0.

**8.0 KEEPING PROPERTY**

When stored in a covered dry place in the original sealed packing under normal temperature conditions, the material shall retain the properties prescribed in this specification for a period of 12 months after the date of manufacture, which shall be subsequent to the date of placing the order.

**9.0 PACKING AND MARKING:**

The material shall be packed in multi-walled paper or jute bags lined with polyethylene film.

The containers shall be securely closed and marked with the following information:

AA 556 21: Ammonium Chloride (Technical).

BHEL Order No.

Manufacture's/Supplier's Name.

Trade mark, if any

Batch/lot No.

Date of manufacture and expiry, if any

Quantity supplied

**10.0 ENVIRONMENTAL REQUIREMENTS:**

The supplier shall furnish Material Safety Data Sheet (**MSDS**) covering all information relating to human safety and environmental impacts of the hazardous materials particularly during their transportation, storage, handling and disposal alongwith each supply.

Each container shall be marked with corresponding symbol and minimum worded cautionary notice for flammable / corrosive / toxic / harmful / irritant and oxidizing etc. as applicable

**11.0 REFERRED STANDARDS (Latest Publications Including Amendments)**

1. IS: 1113