



CORPORATE PURCHASE SPECIFICATION

AA 556 18

Rev. No. 02

PAGE 1 OF 2

ZINC CHLORIDE – FLUX GRADE

1.0 GENERAL:

This specification governs the quality requirements Zinc chloride – Flux grade in solid form.

2.0 APPLICATION:

Used for preparing fluxing solution for use in hot dip galvanizing and tinning processes.

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: 701-1966(RA-2006), Flux grade (FG): Zinc Chloride

4.0 TEST SAMPLES:

Representative samples from each lot shall be drawn as per Appendix B of IS: 701.

5.0 PROPERTIES:

When tested as per the test methods shown against each, the material shall show the following properties.

5.1 Total Zinc (As $ZnCl_2$ content) (Cl A-2, Appendix A of IS:701):

78 – 84 % by mass

5.2 Ammonia (As $NH_4 Cl$) content, (Cl A-3, Appendix A of IS:701):

13 – 16 % by mass.

6.0 TEST CERTIFICATES:

Unless otherwise specified, three copies of test certificates shall be supplied alongwith each consignment giving the following information.

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

Revisions:

As per 40th MOM of MRC-CPO

APPROVED:

INTERPLANT MATERIAL
RATIONALISATION COMMITTEE-MRC (CPO)

Rev. No. 02

Amd.No.

Reaffirmed

Prepared
BHOPAL

Issued
Corp. R&D

Dt. of 1st Issue
August, 1988

Dt: 26.05.2012

Dt :

Year :2005

AA 556 18

Rev. No. 02

PAGE 2 OF 2

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AA 556 18, Rev No. 02: Zinc chloride-Flux grade.

BHEL Order No.
Manufacture's/Supplier's Name.
Trade mark, if any
Batch/lot No.
Test results of clause 5.0.

6.0 PACKING AND MARKING:

Zinc chloride, solid shall be packed in clean air tight galvanized iron drums so that it is prevented from absorbing moisture from air or from getting contaminated by contact with metals or other foreign matter.

The containers shall be marked with the following information:

AA 556 18: Zinc chloride-Flux grade
BHEL Order No.
Manufacture's/Supplier's Name.
Trade mark, if any
Batch/lot No.
No. of containers
Net and gross weight

7.0. 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

8.0 REFERRED STANDARDS (Latest Publications Including Amendments):

1. IS: 701