



SDFCL
s d FINE-CHEM LIMITED
Quality Control Dept.
Product Specification



E Control	QC2\DATAD\ID:\PS\20017MN\XPS.xls
PRODUCT CODE	20017MN
PRODUCT NAME	AMMONIUM CHLORIDE "OMNIS"
SYNONYMS	---
C.I. NO.	---
CASR NO.	(12125-02-9)
ATOMIC OR MOLECULAR FORMULA	NH ₄ Cl
ATOMIC OR MOLECULAR WEIGHT	53.49
PROPERTIES	Hygroscopic. Slightly soluble in alcohol

NH₄Cl

PARAMETER	LIMIT
Description	White crystals
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Argentometric; ex Cl)	99.80%
Identity	Passes test.
pH (of 5% Soln.in water)	4.5 – 5.5
Loss on drying (at 110°C)	Max. 0.5%
Residue on ignition	Max. 0.01%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter	0.001%
Non volatile matter	0.005%
Acidity or alkalinity	Passes test.
Heavy metals (as Pb)	0.0005%
Nitrate (NO ₃)	0.00005%
Phosphate (PO ₄)	0.0002%
Sulphate (SO ₄)	0.002%
Arsenic (As)	0.0003%
Bromides & iodides	Passes test.
Iodide (I)	0.001%
Calcium (Ca)	0.0005%
Copper (Cu)	0.0002%
Iron (Fe)	0.0002%
Lead (Pb)	0.0005%
Magnesium (Mg)	0.0005%
Pyridine & homologues	0.001%
Potassium (K)	0.005%
Nickel (Ni)	0.0001%
Zinc (Zn)	0.0002%
Sodium (Na)	0.005%
Thiocyanate	Passes test.
Total Microbial count	100 cfu/g
Organic volatile impurities (by GC-MS)	Meets the requirement (BP / USP).

Note(s) : Assay (if applicable) method mentioned.

WARNING Hazard statements : Harmful if swallowed. Causes serious eye irritation. Precautionary statements	IMDG Code : -- UN No. : -- IATA : --
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Prevention : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye /face protection. If eye irritation persists, get medical advice/ attention. Specific treatment: refer to Label or MSDS.

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

Hazard Pictogram(s) :



Skin irritation

Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 09.07.2016	Checked By: Name/Dept.:Incharge(Q.A.) Sign. : Date : 11.07.2016	Approved By: Name/Dept. : Incharge (Tech.) Sign. : Date : 15.07.2016	Issue Date : 15.07.2016 Revision No.: 00 Revision dt. : -- AMEND NO. : --
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