



SDFCL

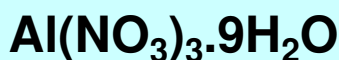
s d fine-CHEM LIMITED

Quality Control Dept.



Product Specification

E Control	QC2\DATAD\ID\PS\20300XPS.xls
PRODUCT CODE	20300
PRODUCT NAME	ALUMINIUM NITRATE AR
SYNONYMS	--
C.I. NO.	--
CASR NO.	(7784-27-2)
ATOMIC OR MOLECULAR FORMULA	Al(NO ₃) ₃ .9H ₂ O
ATOMIC OR MOLECULAR WEIGHT	375.13
PROPERTIES	Decomposes in hot water. Soluble in alcohol and acetone. MP 73°C.



PARAMETER	LIMIT
Description	Colourless deliquescent crystals / crystalline powder.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Complexometric)	98.5%
pH (of 5% soln.in water)	2 - 4
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.005%
Ammonium (NH ₄)	0.02%
Chloride (Cl)	0.001%
Sulphate (SO ₄)	0.005%
Copper (Cu)	0.001%
Iron (Fe)	0.002%
Lead (Pb)	0.001%
Potassium (K)	0.002%
Sodium (Na)	0.005%

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

WARNING

Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Suspected of damaging the unborn child. Toxic to aquatic life.

Precautionary statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/ sparks/open flames/hot surfaces. - No smoking. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing dust/fume/gas/mist/vapours/spay. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.

Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/ attention. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If eye irritation persists: Get medical advice/attention.

IMDG Code : 5.1/III

UN No. : 1438

IATA : 5.1

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

Hazard Pictogram(s) :



Skin irritation



Oxidising



Aspiration hazard

Prepared By :	Checked By :	Approved By :	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 02
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010

Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. : 1554
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