



SDFCL
s d fine-CHEM limited



Quality Control Dept.

Product Specification

E Control	QC2\DATAD\ID\PSI37078XPS.xls
PRODUCT CODE	37078
PRODUCT NAME	LITHIUM ALUMINIUM HYDRIDE LR
SYNONYMS	(Aluminium lithium hydride)
C.I. NO.	--
CASR NO.	(16853 - 85-3)
ATOMIC OR MOLECULAR FORMULA	LiAlH ₄
ATOMIC OR MOLECULAR WEIGHT	37.95
PROPERTIES	Stable in dry air at room temperature , but highly sensitive to moisture - including atmospheric.

LiAlH₄

PARAMETER	LIMIT
Description	White to grayish white crystalline powder / pellets / tablets.
Solubility	Soluble in diethyl ether.
Minimum Assay (Iodometric)	97.0%
MAXIMUM LIMIT OF IMPURITIES	
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Note(s) : 1] Assay (if applicable) method mentioned.

2] Protect from Moisture

DANGER

Hazard statements: In contact with water releases flammable gases which may ignite spontaneously. Toxic if swallowed. Causes severe skin burns and eye damage

Precautionary statements

Prevention: Do not eat, drink or smoke when using this product. Do not breathe dust or mist. Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Keep from any possible contact with water, because of violent reaction and possible flash fire. Handle under inert gas, protect from moisture.

Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor /physician. IF

SWALLOWED: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water /shower. Specific treatment: refer to Label or MSDS.

IMDG Code : 4.3/I

UN No. : 1410

IATA : 4.3

Disposal: Add little at a time (2 to 5 g) to large excess of dry propan-2-ol. Leave this mixture aside for 24 hours and run to waste, diluting with large amount of water. If any sand is used to cover spillage then it should be washed thoroughly with water before disposal as normal water.

Hazard Pictogram(s) :--



Flammable



Acute toxicity



Corrosive to metals

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.: 03
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