

**SDFCL**
s d fine-CHEM LIMITED

Quality Control Dept.

Qual

Product Specification

E Control	QC2\DATAD\ID:\PS\20381XPS.xls
PRODUCT CODE	20381
PRODUCT NAME	LITHIUM HYDROXIDE MONOHYDRATE AR
SYNONYMS	--
C.I. NO.	--
CASR NO.	(1310-66-3)
ATOMIC OR MOLECULAR FORMULA	LiOH.H ₂ O
ATOMIC OR MOLECULAR WEIGHT	41.96
PROPERTIES	--

LiOH.H₂O

PARAMETER	LIMIT
Description	A white crystalline powder.
Solubility	10% solution in mixture of dilute HCl and water gives clear and colourless solution.
Minimum Assay (Acidimetric)	99.0%
MAXIMUM LIMIT OF IMPURITIES	
Acid insoluble matter	0.005%
Carbonate (CO ₃)	1.0%
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.05%
Calcium (Ca)	0.02%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%
Lead (Pb)	0.0005%
Magnesium (Mg)	0.0005%

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

DANGER statements : Toxic if swallowed. Harmful if inhaled. May be corrosive to metals. Causes severe skin burns and eye damage Precautionary statements Prevention : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust or mist. Wash thoroughly after handling. Use only outdoors or in a well ventilated area. Avoid breathing dust/fume/gas/mist/vapours/ spray. Wear protective gloves/clothing and eye/face protection. Response : 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. Immediately call a POISON CENTER or doctor/physician. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: refer to Label or MSDS. Wash contaminated clothing before reuse. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.	Hazard	IMDG Code : 8/II UN No. : 2680. IATA : 8.
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Disposal: The chemical is disposed off by its slow addition to an excess of water. The final concentration should not be greater than 2% .Neutralize with 5% hydrochloric acid and run to waste with large quantities of running water.

Hazard Pictogram(s) :

**Acute toxicity****Corrosive to metals**

Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 18.03.2015.	Checked By: Name/Dept.:Incharge(Q.A.) Sign. : Date : 18.03.2015.	Approved By: Name/Dept. : Incharge (Tech.) Sign. : Date : 27.03.2015.	Issue Date : 01.07.2002 Revision No.: 02 Revision dt. :27.03.2015. AMEND NO. :1676.
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