



# Product Specification

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## LITHIUM CARBONATE AR

PRODUCT CODE	565398	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	554-13-2	
ATOMIC OR MOLECULAR FORMULA	Li <sub>2</sub> CO <sub>3</sub>	Li <sub>2</sub> CO <sub>3</sub>
ATOMIC OR MOLECULAR WEIGHT	73.89	
PROPERTIES	--	

PARAMETER	LIMIT
Description	A white powder.
Solubility	4% solution in mix of dil. HCl and water is clear and colourless. (2:3)
Bulk Density (in Kg/m <sup>3</sup> )	980-1000
Minimum assay (Acidimetric)	99.0%

MAXIMUM LIMIT OF IMPURITIES	
Loss on ignition at 600 <sup>o</sup> C	0.5%
Chloride (Cl)	0.002%
Nitrate (NO <sub>3</sub> )	0.0005%
Sulphate (SO <sub>4</sub> )	0.005%
Calcium oxide	0.005%
Iron (Fe)	0.001%
Lead (Pb)	0.001%
Potassium oxide	0.005%
Sodium oxide	0.005%
Ammonium (NH <sub>4</sub> )	0.0005%
Magnesium oxide	0.001%

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

<b>WARNING</b> <b>Hazard statements</b> :May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. <b>Precautionary statements</b> <b>Prevention:</b> Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. <b>Response:</b> 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.	IMDG Code : -- UN No. : -- IATA :--
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**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) :	 GHS07
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