



SDFCL
s d fine-chem limited

Quality Control Dept.



Product Specification

E Control	QC2\DATAD\D:\PS\20138XPS.xls
PRODUCT CODE	20138
PRODUCT NAME	L- (+) - LACTIC ACID AR
SYNONYMS	(S)-2-Hydroxypropionic acid, Sarcosolactic acid
C.I. NO.	N/A
CASR NO.	79-33-4
ATOMIC OR MOLECULAR FORMULA	CH ₃ CHOHCOOH
ATOMIC OR MOLECULAR WEIGHT	90.08
PROPERTIES	Hygroscopic
$\begin{array}{c} \text{H} \\ \\ \text{CH}_3 - \text{C} - \text{COOH} \\ \\ \text{OH} \end{array}$	
PARAMETER	LIMIT
Description	A clear odourless syrupy liquid not more than 20 Hazen units in colour. 12-15% of the acid is normally present in the form of anhydrides.
Solubility	Miscible with water & absolute industrial methylated spirit forming clear & colourless solution.
Minimum Assay (Titrimetric after hydrolysis of anhydrides)	88.0%
Wt.per ml at 20°C	About 1.200 - 1.206 g
MAXIMUM LIMIT OF IMPURITIES	
Sulphated ash	0.01%
Chloride (Cl)	0.001%
Sulphate (SO ₄)	0.005%
Arsenic (As)	0.00001%
Copper (Cu)	0.0001%
Iron (Fe)	0.0002%
Lead (Pb)	0.0001%
Reducing sugars	No reaction
Note(s) : Assay (if applicable) method mentioned.	
DANGER HAZARD STATEMENTS : Harmful if swallowed. 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. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.	
IMDG Code : 8/III UN No. : 3265 IATA : 8	

Response : Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage. Wash contaminated clothing before reuse. Specific treatment: refer to Label or MSDS.

Disposal : ---

Hazard pictogram(s) :



Corrosive to metals

Prepared By : PRAGNESH	Checked By: K.B.DESAI	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
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