



SDFCL

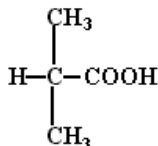
s d fine-CHEM limited

Quality Control Dept.



Product Specification

E Control	QC2\DATAD\PS\37536XPS.xls
PRODUCT CODE	37536
PRODUCT NAME	ISOBUTYRIC ACID LR (For Synthesis)
SYNONYMS	2-Methylpropionic acid
C.I. NO.	N/A
CASR NO.	79-31-2
ATOMIC OR MOLECULAR FORMULA	C ₄ H ₈ O ₂
ATOMIC OR MOLECULAR WEIGHT	88.11
PROPERTIES	Combustible



PARAMETER	LIMIT
Description	Clear & colourless pungent liquid.
Solubility	5% soln. in ethanol forming clear & almost colourless liquid.
Minimum assay (By GC)	98.0%
Wt. per ml at 20°C	0.947 – 0.948 g
Refractive index (n) _D ²⁰	About 1.3925
Boiling range(min. 95%)	151 - 155°C
MAXIMUM LIMIT OF IMPURITIES	
Water	0.2%

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

DANGER

HAZARD STATEMENTS : Flammable liquid and vapour. Toxic if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS

Prevention : Ground/bond container and receiving equipment. Wash thoroughly after handling. Use only non-sparking tools. Do not breathe dust or mist. Wash hands thoroughly after handling. Wear protective gloves/clothing. Wear protective gloves/clothing and eye/face protection. Do not eat, drink or smoke when using this product. Wear protective gloves and eye/face protection. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment

Response : Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water. 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. Wash contaminated clothing before reuse. 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. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower.

Disposal : The quantities greater than 10g should be dissolved in dilute acid and transferred to heavy metal waste drum for collection by specialist disposal company.

IMDG Code : 3/III
UN No. : 2529
IATA : 3

Hazard pictogram(s) :



Flammable liquids



Acute toxicity



Hazardous to the aquatic environment

Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 02/03/2005
Name/Dept. : Officer (Q.A.)	Name/Dept. :Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 01
Sign. :	Sign. :	Sign. :	Revision dt. : 09/08/2010
Date : 06/08/2010	Date : 06/08/2010	Date : 09/08/2010	AMEND NO. : P062