

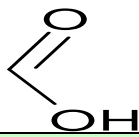


SDFCL
s d fine-CHEM limited

Quality Control Dept.

Product Specification



E Control	QC2\DATAD\D:\PS\38429XPS.xls
PRODUCT CODE	38429
PRODUCT NAME	FORMIC ACID ABT. 90% LR (for synthesis)
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	64-18-6
ATOMIC OR MOLECULAR FORMULA	CH ₂ O ₂
ATOMIC OR MOLECULAR WEIGHT	46.03
PROPERTIES	Strong reducing agent, Combustible
	
PARAMETER	LIMIT
Description	A clear liquid not more than 10 Hazen units in colour, with a pungent odour.
Solubility	Miscible with water forming clear and colourless solution.
Assay (By acidimetric)	89 - 91%
Wt.per ml at 20 °C	1.202-1.204
MAXIMUM LIMIT OF IMPURITIES	
Non volatile matter	0.04%
Chloride (Cl)	0.02%
Sulphate (SO ₄)	0.01%
Iron (Fe)	0.002%
Lead (Pb)	0.001%
Note(s) : Assay (if applicable) method mentioned.	
DANGER HAZARD STATEMENTS : Flammable liquid and vapour. Combustible Liquid. Toxic if inhaled. Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. PRECAUTIONARY STATEMENTS : Prevention : Keep away from flames and hot surfaces. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust or mist. Use explosion-proof electrical/ventilating/lighting/equipment. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Use only outdoors or in a well ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. 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. Keep container tightly closed. Immediately call a POISON CENTER or doctor/physician. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use alcohol-type foam for extinction. 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. In case of fire, use dry agent for extinction. Specific treatment: refer to Label or MSDS. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.	
Disposal : Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large quantities of running water.	
IMDG Code : 8/II UN No. : 1779 IATA : 8	
Hazard pictogram(s) :    Flammable liquids Acute toxicity Corrosive to metals	
Prepared By : DINESH	Checked By: RAJU VYAS
Approved By: S.S.TOLIA	Issue Date : 01/07/2002

Name/Dept. : Officer (Q.A.)	Name/Dept. :Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 03
Sign. :	Sign. :	Sign. :	Revision dt. : 20/08/2010
Date : 18/08/2010	Date : 18/08/2010	Date : 20/08/2010	AMEND NO. : P062