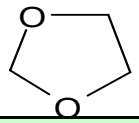
SDFCL

s d fine-chem limited

Quality Control Dept.

Product Specification

E Control	QC2\DATAD\D:\PS\70103XPS.xls
PRODUCT CODE	70103
PRODUCT NAME	1,3-DIOXOLANE LR
SYNONYMS	Ethylene glycol methylene ether, Ethylene glycol formal
C.I. NO.	N/A
CASR NO.	646-06-0
ATOMIC OR MOLECULAR FORMULA	$C_3H_6O_2$
ATOMIC OR MOLECULAR WEIGHT	74.08
PROPERTIES	



PARAMETER	LIMIT
Description	Clear and colourless water white liquid.
Solubility	Soluble in water.
Minimum assay(By GC)	99.0%
Wt. per ml at 20°C	1.064 - 1.066 g
Refractive Index $(n)_D^{20}$	About 1.401
	MAXIMUM LIMIT OF IMPURITIES
Water	0.3%

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

DANGER

HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. Harmful if inhaled. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.

PRECAUTIONARY STATEMENTS :

Prevention : Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge Avoid breathing dust/fume/gas/mist/vapours/spray.Use only outdoors or in a well ventilated area. Wash hands thoroughly after handling. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves and eye/face protection.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. If skin irritation occurs, seek medical advice/attention. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal : The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. f the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

IMDG Code : 3/II
UN No. : 1166
IATA : 3

Hazard pictogram(s) :

Skin irritation

Flammable liquids

Prepared By : Asmita Thakkar	Checked By: Jayesh Pandit	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
Name/Dept. : Sr.Officer (Q.A.)	Name/Dept. : Manager Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 02
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