



SDFCL
s d fine-CHEM limited

Quality Control Dept.

Product Specification



E Control	QC2\DATAD\DI\PS\38216XPS.xls		
PRODUCT CODE	38216		
PRODUCT NAME	DIMETHYL SULPHOXIDE LR (for synthesis)		
SYNONYMS	N/A		
C.I. NO.	N/A		
CASR NO.	67-68-5		
ATOMIC OR MOLECULAR FORMULA	CH ₃ SOCH ₃		
ATOMIC OR MOLECULAR WEIGHT	78.13		
PROPERTIES	Hygroscopic liquid, Combustible.		
O S H₃C CH₃			
PARAMETER	LIMIT		
Description	A clear liquid, colour not more than 10 Hazen units.		
Solubility	Miscible with water forming clear and colourless solution.		
Minimum assay(By GC)	99.0%		
Wt.per ml at 20 °C	1.099 - 1.101 g		
Freezing Point	18 - 19 °C		
Boiling Range (189 - 192 °C)	Min. 95.0%		
Refractive Index (n) _D ²⁰	1.478 - 1.479		
Note(s) : Assay (if applicable) method mentioned.			
DANGER HAZARD STATEMENTS : Combustible Liquid. Toxic if swallowed. Causes mild skin irritation. Causes eye irritation. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. PRECAUTIONARY STATEMENTS : Prevention : Wash hands thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. In case of inadequate ventilation wear respiratory protection. Do not eat, drink or smoke when using this product. Use explosion-proof electrical/ventilating/lighting/equipment. Keep away from flames and hot surfaces. Contaminated clothing should not be allowed out of the workplace. Response : If skin irritation or rash occurs, seek medical advice/attention. If skin irritation occurs, seek medical advice/attention. If eye irritation persists, get medical advice/attention. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. IF INHALED: If breathing is difficult, 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. Continue rinsing. Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water. 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 :--- UN No. :--- IATA :---		
Hazard pictogram(s) :			
Acute toxicityAspiration hazard			
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. : 01
Sign. :	Sign. :	Sign. :	Revision dt. : 16/08/2010
Date : 13/08/2010	Date : 13/08/2010	Date : 16/08/2010	AMEND NO. : P062