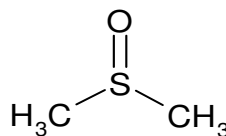




Product Specification

E Control	QC2\DATAD\DA\PS\54933XPS.xls
PRODUCT CODE	54933
PRODUCT NAME	<b>DIMETHYL SULPHOXIDE FOR MOLECULAR BIOLOGY</b>
SYNONYMS	DMSO, Methyl sulphoxide
C.I. NO.	N/A
CASR NO.	67-68-5
ATOMIC OR MOLECULAR FORMULA	C <sub>2</sub> H <sub>6</sub> OS
ATOMIC OR MOLECULAR WEIGHT	78.13
PROPERTIES	Hygroscopic liquid, Combustible.



PARAMETER	LIMIT
Description	A clear & colourless liquid with not more than 10 Hz
Solubility	10% in water is clear & colourless soln.
Identity (By FTIR)	Conform
Minimum assay (By GC)	99.8%
Wt. per ml at 20°C	1.099 – 1.101 g
Refractive index (n) <sub>D</sub> <sup>20</sup>	1.478 – 1.479
<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Water	0.01%
Residue on evaporation	0.0005%
Max. Absorption at 280 nm	0.22
Free acid (CH <sub>3</sub> COOH)	0.001%
Dnases, phosphatases Proteases, Rnases	none detected

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. If 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 toxicity



Aspiration hazard



**Acute toxicity**

**Aspiration hazard**

Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 02/02/2006
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