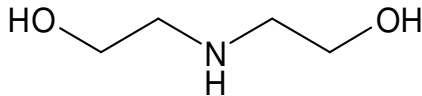




Product Specification

E Control	QC2\DATAD\DI\PS\20393XPS.xls
PRODUCT CODE	20393
PRODUCT NAME	DIETHANOLAMINE AR (For Biochemistry)
SYNONYMS	2,2-Dihydroxy diethyl amine
C.I. NO.	N/A
CASR NO.	111-42-2
ATOMIC OR MOLECULAR FORMULA	C ₄ H ₁₁ NO ₂
ATOMIC OR MOLECULAR WEIGHT	105.14
PROPERTIES	Active base, Combustible.
	
PARAMETER	LIMIT
Description	A clear viscous liquid, colour not more than 10 Hazen units.
Solubility	10% solution in water is clear and colourless.
Minimum assay (By GC)	99.0%
Wt.per ml at 20 °C	1.095 - 1.097 g
Refractive index(n) _D ²⁰	1.477 - 1.478
MAXIMUM LIMIT OF IMPURITIES	
Water	0.2%
Chloride (Cl)	0.0001%
Sulphate (SO ₄)	0.002%
Sulphated ash	0.01%
Triethanolamine	1.0%
Ethanolamine	0.5%
Cadmium (Cd)	0.0001%
Cobalt (Co)	0.0001%
Copper (Cu)	0.0001%
Iron (Fe)	0.0001%
Lead (Pb)	0.0001%
Magnesium (Mg)	0.0001%
Manganese (Mn)	0.0001%
Nickel (Ni)	0.0001%
Zinc (Zn)	0.0005%
Note(s) : Assay (if applicable) method mentioned.	
WARNING HAZARD STATEMENTS : May cause respiratory irritation. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause allergic skin reaction. May cause damage to organs through prolonged or repeated exposure if swallowed. PRECAUTIONARY STATEMENTS : Prevention : Wash hands thoroughly after handling. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapours/spray.	
IMDG Code :--- UN No. :--- IATA :---	

Response : Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. If skin irritation or rash occurs, seek medical advice/attention. If skin irritation occurs, seek medical advice/attention. Wear eye/face protection. Get medical advice/attention if you feel unwell. Specific treatment: refer to Label or MSDS. Remove/Take off immediately all contaminated clothing IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate removed clothing before reuse.

Disposal : ---

Hazard pictogram(s) :



Skin irritation Aspiration 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