



SDFCL
s d fine-CHEM limited

Quality Control Dept.

Product Specification



E Control	QC2\DATAD\DI\PS\38120\XPS.xls		
PRODUCT CODE	38120		
PRODUCT NAME	DIETHYL AMINE LR (for synthesis)		
SYNONYMS	N/A		
C.I. NO.	N/A		
CASR NO.	109-89-7		
ATOMIC OR MOLECULAR FORMULA	C ₄ H ₁₁ N		
ATOMIC OR MOLECULAR WEIGHT	73.14		
PROPERTIES	Strongly alkaline liquid.		
$\text{H}_3\text{C}-\text{CH}_2-\text{N}(\text{H})-\text{CH}_2-\text{CH}_3$			
PARAMETER	LIMIT		
Description	A clear colourless liquid.		
Solubility	Miscible with water, ethanol & diethyl ether forming clear and colourless solution.		
Minimum assay (By GC)	99.0%		
Wt.per ml at 20°C	0.702 - 0.705 g		
Refractive Index (n) _D ²⁰	1.384 - 1.387		
Note(s) : Assay (if applicable) method mentioned.			
DANGER HAZARD STATEMENTS : Highly flammable liquid and vapour. Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed. May cause allergic skin reaction. Causes severe skin burns and eye damage. PRECAUTIONARY STATEMENTS : Prevention : Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing Ground/bond container and receiving equipment. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Wash hands thoroughly after handling. Do not breathe dust or mist. Contaminated clothing should not be allowed out of the workplace. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Use only outdoors or in a well ventilated area. Wear protective gloves and eye/face protection. Take precautionary measures against static discharge. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting/equipment. Response : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN YES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. Absorb spillage to prevent material damage. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Gently wash with plenty of soap and water. Disposal : Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. Add a little at a time (2 to 5g) to a large volume of water. After the reaction or solution is complete, allow it to run to normal waste, diluting with large amount of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste.			
IMDG Code :3/II UN No. : 1154 IATA : 3			
Hazard pictogram(s) :   Flammable liquids 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. : 04
Sign. :	Sign. :	Sign. :	Revision dt. : 16/08/2010
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