



SDFCL
s d fine-CHEM LIMITED
Quality Control Dept.



Product Specification

E Control	QC2\DATAD\D:\PS\38128XPS.xls
PRODUCT CODE	38128
PRODUCT NAME	DIETHYL CARBONATE (for synthesis)
SYNONYMS	Carbonic acid diethyl ester
C.I. NO.	N/A
CASR NO.	105-58-8
ATOMIC OR MOLECULAR FORMULA	C ₅ H ₁₀ O ₃
ATOMIC OR MOLECULAR WEIGHT	118.13
PROPERTIES	Combustible



PARAMETER	LIMIT
Description	Clear and colourless to pale yellowish liquid approximately 50 Hazen units.
Solubility	Miscible with Methanol.
Minimum assay (By GC)	99.0%
Wt. per ml at 20°C	0.973 - 0.975 g
Refractive Index(n) _D ²⁰	1.384 - 1.385
Freeacid (HCl)	0.02%

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

DANGER HAZARD STATEMENTS : May cause respiratory irritation. Flammable liquid and vapour. May damage the unborn child. PRECAUTIONARY STATEMENTS : Prevention : Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Keep container tightly closed. Keep away from heat/sparks/open flame -No smoking. Wear protective gloves and eye/face protection. Use explosion-proof electrical/ventilating/lighting/equipment Response : If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. If exposed or concerned: Get medical attention advice. In case of fire, use foam for extinction. 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. 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 : 3/III UN No. : 2366 IATA : 3
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Hazard(s) :



Skin Irritation Flammable liquids Aspiration hazard



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Prepared By : VINOD PATEL	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
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