



SDFCL
s d fine-chem limited
Quality Control Dept.



Product Specification

E Control	QC2\DATAD\D:\PS\38196XPS.xls
PRODUCT CODE	38196
PRODUCT NAME	DIMETHYL CARBONATE (for synthesis)
SYNONYMS	Methyl carbonate
C.I. NO.	N/A
CASR NO.	616-38-6
ATOMIC OR MOLECULAR FORMULA	C ₃ H ₆ O ₃
ATOMIC OR MOLECULAR WEIGHT	90.08
PROPERTIES	Stable in presence of water.



PARAMETER	LIMIT
Description	A clear and colourless liquid.
Solubility	10% Solution in methanol is clear and colourless.
Minimum assay(By GC)	99.0%
Wt. per ml at 20 °C	1.068 - 1.070 g
Refractive Index (n) _D ²⁰	1.367 - 1.369

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

DANGER

HAZARD STATEMENTS : Highly flammable liquid and vapour.

PRECAUTIONARY STATEMENTS :

Prevention : Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment Ground/bond container and receiving equipment. Use only non-sparking tools. Keep away from heat/sparks/open flame -No smoking. Keep container tightly closed. Wear protective gloves and eye/face protection.

Response: In case of fire, use foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower.

Disposal : low 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/II
UN No. : 1161
IATA : 3

Hazard pictogram(s) :



Flammable liquids

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