



SDFCL
s d fine-chem limited

Quality Control Dept.



Product Specification

E Control	QC2\DATAD\D:\PS\25023\XPS.xls
PRODUCT CODE	25023
PRODUCT NAME	BUTAN-2-ONE FOR HPLC & SPECTROSCOPY
SYNONYMS	Methyl ethyl ketone
C.I. NO.	N/A
CASR NO.	78-93-3
ATOMIC OR MOLECULAR FORMULA	C ₂ H ₅ COCH ₃
ATOMIC OR MOLECULAR WEIGHT	72.11
PROPERTIES	



PARAMETER	LIMIT
Description	A clear colourless liquid.
Solubility	Miscible with absolute industrial methylated spirit (Methanol) forming clear & colourless solution.
Minimum assay (By GC)	99.5%
Refractive Index (n) _D ²⁰	1.378
Wt.per ml at 20 °C	0.805 g
Boiling Point	79.6 °C
MAXIMUM LIMIT OF IMPURITIES	
Water	0.05%
Acidity (CH ₃ COOH)	0.004%
Non volatile matter	0.001%
Maximum absorbance in a 1.0 cm cell at:	
330 nm (UV CUT OFF)	1.0
340 nm	0.1
375 nm	0.01

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

DANGER

HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. May be harmful if swallowed Causes mild skin irritation. Causes serious eye irritation.

PRECAUTIONARY STATEMENTS :

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

Response : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If eye irritation persists, get medical advice/attention. Wear eye/face protection. If skin irritation occurs, seek medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use alcohol-type foam for extinction. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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/II
UN No. : 1193
IATA : 3

Hazard pictogram(s) :



Skin irritation



Flammable liquids

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