



SDFCL
S d FINE-CHEM LIMITED

Quality Control Dept.

Product Specification



E Control	QC2\DATAD\DA\PS\20317XPS.xls		
PRODUCT CODE	20317		
PRODUCT NAME	BUTAN-2-ONE AR		
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			
CH ₃ COCH ₂ CH ₃			
PARAMETER	LIMIT		
Description	A clear liquid, colour not more than 10 Hazen units.		
Solubility	Miscible with water & methanol, forming clear and colourless solution.		
Minimum Assay (By GC)	99.5%		
Wt.per ml at 20 °C	0.804 - 0.806 g		
Boiling Range (79- 80 °C)	Min. 95.0%		
Refractive Index (n) _D ²⁰	1.377 - 1.379		
MAXIMUM LIMIT OF IMPURITIES			
Water	0.07%		
Acidity (CH ₃ COOH)	0.004%		
Non volatile matter	0.002%		
Copper (Cu)	0.0001%		
Iron (Fe)	0.0001%		
Lead (Pb)	0.0001%		
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

Name/Dept. : Officer (Q.A.)	Name/Dept. :Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 02
Sign. :	Sign. :	Sign. :	Revision dt. : 07/10/2010
Date : 05/10/2010	Date : 05/10/2010	Date : 07/10/2010	AMEND NO. : P065