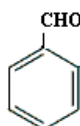




Product Specification

E Control	QC2\DATAD\DA\PS\37310XPS.xls
PRODUCT CODE	37310
PRODUCT NAME	BENZALDEHYDE LR (for synthesis)
SYNONYMS	Benzenecarbaldehyde
C.I. NO.	N/A
CASR NO.	100-52-7
ATOMIC OR MOLECULAR FORMULA	C ₆ H ₅ CHO
ATOMIC OR MOLECULAR WEIGHT	106.12
PROPERTIES	The colour & benzoic acid content of benzaldehyde is reduced to its lowest practical limit at the time of mfg. but may increase on storage.



PARAMETER	LIMIT
Description	A highly refractive liquid with with a characteristic odour, not more than a pale yellow in colour.
Solubility	Miscible in alcohol
Minimum assay (By GC)	98.5%
Wt.per ml at 20 °C	1.044 - 1.047 g
Refractive index(n) _D ²⁰	About 1.545
Boiling Range (176- 183 °C)	Min. 95.0%
MAXIMUM LIMIT OF IMPURITIES	
Acidity (C ₆ H ₅ COOH)	1.0%
Chlorine (Combined)	0.2%

Note(s) : Assay by Gas chromatography method

DANGER

HAZARD STATEMENTS : May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness or dizziness. Combustible Liquid. May intensify fire; oxidizer. Fatal if swallowed. Causes mild skin irritation. Causes serious eye irritation. May cause allergic skin reaction.

PRECAUTIONARY STATEMENTS

Prevention : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse.

Disposal : The chemical should be burnt in a chemical incinerator equipped with burner and scrubber.

IMDG Code :9/III
UN No. :1990
IATA :9

Hazard pictogram (s) :



Aspiration hazard



Oxidising liquids



Acute toxicity

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. : 09/08/2010
Date : 07/08/2010	Date : 07/08/2010	Date : 09/08/2010	AMEND NO. : P062