



Product Specification

E Control	QC2\DATAD\D:\PS\37932XPS.xls
PRODUCT CODE	37932
PRODUCT NAME	2-BUTOXYETHANOL LR (For synthesis)
SYNONYMS	Butyl cellosolve
C.I. NO.	N/A
CASR NO.	111-76-2
ATOMIC OR MOLECULAR FORMULA	C <sub>4</sub> H <sub>9</sub> OCH <sub>2</sub> CH <sub>2</sub> OH
ATOMIC OR MOLECULAR WEIGHT	118.18
PROPERTIES	Combustible.



PARAMETER	LIMIT
Description	A clear & colourless liquid.
Solubility	Miscible with water & methanol forming clear and colourless solution.
Minimum assay (By GC)	98.0%
Wt.per ml at 20 °C	0.899 - 0.903 gm
Refractive Index (n) <sub>D</sub> <sup>20</sup>	1.419 - 1.420
Boiling Range (167° - 171 °C)	Min. 95.0%

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

**DANGER**

**HAZARD STATEMENTS:** May cause drowsiness and dizziness. Toxic if inhaled. Toxic if swallowed. Harmful in contact with skin Causes skin irritation. Causes serious eye irritation. May damage the unborn child. Suspected of damaging fertility.

**PRECAUTIONARY STATEMENTS:**

**Prevention :** Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Obtain special instructions before use. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

**Response :** Keep container tightly closed. Wash contaminated clothing before reuse. If eye irritation persists, get medical advice/attention. If exposed or concerned: Get medical attention advice. Wear eye/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs, seek medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. Remove/Take off immediately all contaminated clothing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate removed clothing before reuse.

**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 :----  
UN No. :----  
IATA :----

Hazard pictogram(s) :



**Acute toxicity    Aspiration hazard**

Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
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Name/Dept. : Officer (Q.A.)	Name/Dept. :Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 01
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