

# MATERIAL SAFETY DATA SHEET

2-BUTOXYETHYL ACETATE)

## Section 1 - Chemical Product and Company Identification

<b>MSDS Name:</b>	<b>2-BUTOXYETHYL ACETATE</b>
<b>Synonyms:</b>	

Company Identification: (INDIA)	Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
For information in the INDIA, call:	Tel: +91 - 22 - 2275 5555 / 6184 0000, Fax: +91 - 22 - 2275 5556 / 6184 0001

## Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
112-07-2	2-BUTOXYETHYL ACETATE, 98% (GC)	98%	203-933-3

<b>Hazard Symbols:</b>	XN
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<b>Risk Phrases:</b>	20/21
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## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

*Harmful by inhalation and in contact with skin.*

### Potential Health Effects

The toxicological properties of this substance have not been fully investigated.

## Section 4 - First Aid Measures

<b>Eyes:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
<b>Skin:</b>	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.
<b>Ingestion:</b>	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
<b>Inhalation:</b>	Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Notes to Physician:</b>	

## Section 5 - Fire Fighting Measures

<b>General Information:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
<b>Extinguishing Media:</b>	Use agent most appropriate to extinguish fire.

## Section 6 - Accidental Release Measures

<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks:</b>	Clean up spills immediately, observing precautions in the Protective Equipment section.

## Section 7 - Handling and Storage

<b>Handling:</b>	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
<b>Storage:</b>	Store in a cool, dry place. Keep container closed when not in use.

## Section 8 - Exposure Controls, Personal Protection

<b>Engineering Controls:</b>	
	Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
<b>Exposure Limits</b>	<b>CAS# 112-07-2</b>
	United Kingdom, WEL - TWA: 20 ppm TWA United Kingdom, WEL - STEL: 50 ppm STEL
	Belgium - TWA: 20 ppm VLE; 133 mg/m <sup>3</sup> VLE Belgium - STEL: 50 ppm VLE; 333 mg/m <sup>3</sup> VLE
	France - VME: 2 ppm VME; 13.3 mg/m <sup>3</sup> VME France - VLE: 30 ppm VLE; 199.8 mg/m <sup>3</sup> VLE
	Germany: 20 ppm TWA; 130 mg/m <sup>3</sup> TWA Germany: skin notation
	Netherlands: 50 ppm STEL; 333 mg/m <sup>3</sup> STEL Netherlands: 20 ppm MAC; 135 mg/m <sup>3</sup> MAC
	Spain: 20 ppm VLA-ED; 133 mg/m <sup>3</sup> VLA-ED Spain: 50 ppm VLA-EC; 333 mg/m <sup>3</sup> VLA-EC
<b>Personal Protective Equipment</b>	
<b>Eyes:</b>	Wear chemical splash goggles.
<b>Skin:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Clothing:</b>	Wear appropriate protective clothing to minimize contact with skin.
<b>Respirators:</b>	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Clear liquid
<b>Color:</b>	APHA: 15 max
<b>Odor:</b>	Not available
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Freezing/Melting Point:</b>	0 deg C ( 32.00°F)
<b>Autoignition Temperature:</b>	Not available
<b>Flash Point:</b>	76 deg C ( 168.80 deg F)
<b>Explosion Limits: Lower:</b>	Not available
<b>Explosion Limits: Upper:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Solubility in water:</b>	Not available
<b>Specific Gravity/Density:</b>	.9385 g/cm <sup>3</sup>

<b>Molecular Formula:</b>	C8H16O3
<b>Molecular Weight:</b>	160.21

## Section 10 - Stability and Reactivity

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Conditions to Avoid:</b>	Strong oxidants.
<b>Incompatibilities with Other Materials</b>	Not available
<b>Hazardous Decomposition Products</b>	Irritating and toxic fumes and gases.
<b>Hazardous Polymerization</b>	Hazardous Polymerization

## Section 11 - Toxicological Information

<b>RTECS#:</b>	CAS# 112-07-2: KJ8925000
<b>LD50/LC50:</b>	RTECS: CAS# 112-07-2: Draize test, rabbit, eye: 500 mg/24H Mild; Oral, mouse: LD50 = 3200 mg/kg; Oral, rat: LD50 = 2400 mg/kg; Skin, rabbit: LD50 = 1500 mg/kg.
<b>Carcinogenicity:</b>	2-BUTOXYETHYL ACETATE, 98% (GC) - ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans
<b>Other:</b>	See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

Not available

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - Transport Information

	IATA	IMO	RID/ADR
<b>Shipping Name:</b>	Not available	Not available	Not available
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

## Section 15 - Regulatory Information

<b>European/International Regulations</b>	
European Labeling in Accordance with EC Directives	
Hazard Symbols: XN	
<b>Risk Phrases:</b>	
<ul style="list-style-type: none"> <li>➤ R 20/21 Harmful by inhalation and in contact with skin.</li> </ul>	
<b>Safety Phrases:</b>	
<ul style="list-style-type: none"> <li>➤ S 24 Avoid contact with skin.</li> </ul>	
WGK (Water Danger/Protection)	
<ul style="list-style-type: none"> <li>➤ CAS# 112-07-2: 1</li> </ul>	
Canada	
<ul style="list-style-type: none"> <li>➤ CAS# 112-07-2 is listed on Canada's DSL List</li> </ul>	
<b>US Federal</b>	
<ul style="list-style-type: none"> <li>➤ TSCA</li> <li>➤ CAS# 112-07-2 is listed on the TSCA Inventory.</li> </ul>	

## Section 16 - Other Information

<b>MSDS Creation Date:</b>	July 22, 2015
<b>Revision #0 Date</b>	

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.*