



MATERIAL SAFETY DATA SHEET


Butyl Acrylate

Section 1 - Chemical Product and Company Identification

MSDS Name:	Butyl acrylate, 99+%
Synonyms:	2-Propenoic acid butyl ester
Company Identification:	Hazel Mercantile Limited
Company Identification: (INDIA)	701, Embassy Centre , Nariman Point , Mumbai – 400 021
For information in the INDIA, call:	+91-22-2282 4444 (50 Lines)

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
141-32-2	Butyl acrylate	99+%	205-480-7

Hazard Symbols:	XI
	
Risk Phrases:	10 36/37/38 43

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Flammable. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Light sensitive.

Potential Health Effects

Eye:	Causes eye irritation. Lachrymator (substance which increases the flow of tears).
Skin:	Causes skin irritation. May be harmful if absorbed through the skin. May cause sensitization by skin contact.
Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation:	Causes respiratory tract irritation. May be harmful if inhaled.
Chronic:	

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	



Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Flammable liquid and vapor.
Extinguishing Media:	Use water spray to cool fire-exposed containers. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Use a spark-proof tool.

Section 7 - Handling and Storage

Handling:	Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Take precautionary measures against static discharges.
Storage:	Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	
	CAS# 141-32-2:
	United Kingdom, WEL - TWA: 1 ppm TWA; 5 mg/m3 TWA United Kingdom, WEL - STEL: 5 ppm STEL; 26 mg/m3 STEL
	Belgium - TWA: 2 ppm VLE; 11 mg/m3 VLE Belgium - STEL: 10 ppm VLE; 53 mg/m3 VLE
	France - VME: 2 ppm VME; 11 mg/m3 VME France - VLE: 10 ppm VLE; 53 mg/m3 VLE
	Germany: 2 ppm TWA; 11 mg/m3 TWA
	Malaysia: 2 ppm TWA; 10.48 mg/m3 TWA
	Netherlands: 2 ppm MAC; 11 mg/m3 MAC
	Russia: 10 mg/m3 TWA (vapour)
	Spain: 2 ppm VLA-ED; 11 mg/m3 VLA-ED Spain: 10 ppm VLA-EC; 53 mg/m3 VLA-EC
Personal Protective Equipment	
Eyes:	Wear chemical splash goggles.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.



Section 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	APHA: 10 max
Odor:	characteristic odor
pH:	Not available
Vapor Pressure:	5 mbar @ 20 deg C
Viscosity:	0.869 mPa.s @ 20 deg C
Boiling Point:	145 deg C @ 760 mmHg (293.00°F)
Freezing/Melting Point:	-64 deg C (-83.20°F)
Autoignition Temperature:	297 deg C (566.60 deg F)
Flash Point:	39 deg C (102.20 deg F)
Explosion Limits: Lower:	1.50 vol %
Explosion Limits: Upper:	7.80 vol %
Decomposition Temperature:	Not available
Solubility in water:	1.4 g/l
Specific Gravity/Density:	.8940g/cm3
Molecular Formula:	C7H12O2
Molecular Weight:	128.17

Section 10 - Stability and Reactivity

Chemical Stability:	Not available
Conditions to Avoid:	Incompatible materials, light, ignition sources, excess heat, temperatures above 30°C.
Incompatibilities with Other Materials	Strong oxidizing agents, strong acids, strong bases, peroxides, charcoal.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 141-32-2: UD3150000
LD50/LC50:	RTECS: CAS# 141-32-2: Draize test, rabbit, eye: 50 mg Mild; Draize test, rabbit, eye: 500 mg/24H Mild; Inhalation, mouse: LC50 = 7800 mg/m3/2H; Inhalation, rat: LC50 = 2730 ppm/4H; Oral, mouse: LD50 = 5880 mg/kg; Oral, rat: LD50 = 900 mg/kg; Skin, rabbit: LD50 = 2 ml/kg; Other: Skin, rabbit: 10 mg/24H mild Skin, rabbit: 500 mg mild
Carcinogenicity:	Butyl acrylate - IARC: Group 3 (not classifiable)
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity:	Fish: Rainbow trout: LC50: 5.2 mg/l; 96H; . Daphnia: EC50: 8.2 mg/l; 48H; . Algae: IC50: 5.5 mg/l; 96H; . Bacteria: Pseudomonas putida: EC50: 80 mg/l; 16H;
Other:	Biodegradable. Log POW: 2.4

Section 13 - Disposal Considerations

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



Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	BUTYLACRYLATES, STABILIZED	BUTYLACRYLATES, STABILIZED	BUTYLACRYLATES, STABILIZED
Hazard Class:	3	3	3
UN Number:	2348	2348	2348
Packing Group:	III	III	III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

- R 10 Flammable.
- R 36/37/38 Irritating to eyes, respiratory system and skin.
- R 43 May cause sensitization by skin contact.

Safety Phrases:

- S 9 Keep container in a well-ventilated place.

WGK (Water Danger/Protection)

- CAS# 141-32-2: 1

Canada

- CAS# 141-32-2 is listed on Canada's DSL List

US Federal

- TSCA
- CAS# 141-32-2 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:	September 06, 2007
Revision #0 Date	

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