





**Precautionary Statements**

## 5. Fire-fighting measures

<b>Suitable Extinguishing Media</b>	CO <sub>2</sub> , dry chemical, dry sand, alcohol-resistant foam. Cool closed containers exposed to fire with water spray.
<b>Unsuitable Extinguishing Media</b>	Water may be ineffective
<b>Flash Point</b>	28 °C / 82.4 °F
<b>Method -</b>	No information available
<b>Autoignition Temperature</b>	430 °C / 806 °F
<b>Explosion Limits</b>	
<b>Upper</b>	10.9 vol %
<b>Lower</b>	1.6 vol %
<b>Oxidizing Properties</b>	Not oxidising
<b>Sensitivity to Mechanical Impact</b>	No information available
<b>Sensitivity to Static Discharge</b>	No information available

## 2-Methyl-1-propanol

Revision Date 01-Apr-2014

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Isobutyl alcohol  
78-83-1 ( 99 )

TWA: 50 ppm  
TWA: 152 mg/m<sup>3</sup>

TWA: 50 ppm  
TWA: 150 mg/m<sup>3</sup>  
STEL: 75 ppm  
STEL: 225 mg/m<sup>3</sup>

TWA: 50 ppm

Legend

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

## 11. Toxicological information

### Acute Toxicity

**Product Information** See actual entry in RTECS for complete information.

### **Component Information**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isobutyl alcohol	2460 mg/kg ( Rat )	3400 mg/kg ( Rabbit )	6.5 mg/L ( Rat ) 4 h

**Toxicologically Synergistic Products** No information available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Irritation** Severe eye irritant. Irritating to respiratory system and skin.

**Sensitization** No information available

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Isobutyl alcohol	78-83-1	Not listed	Not listed	Not listed	Not listed	Not listed

**Mutagenic Effects** No information available

**Reproductive Effects** Experiments have shown reproductive toxicity effects on laboratory animals.

**Developmental Effects** No information available.

**Teratogenicity** No information available.

**STOT - single exposure** Respiratory system Central nervous system (CNS)

**STOT - repeated exposure** None known

**Aspiration hazard** No information available

**Symptoms / effects, both acute and delayed** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

**Endocrine Disruptor Information** No information available

**Other Adverse Effects** Tumorigenic effects have been reported in experimental animals. See actual entry in RTECS for complete information.

## 12. Ecological information

### Ecotoxicity

Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Isobutyl alcohol	1799 mg/l EC50 = 72 h 230 mg/L EC50 = 48 h	1480 - 1730 mg/L LC50 96 h 1370 - 1670 mg/L LC50 96 h 1120 - 1520 mg/L LC50 96 h 375 mg/L LC50 96 h	EC50 = 1224.6 mg/L 15 min	1300 mg/L EC50 = 48 h 1070 - 1933 mg/L EC50 48 h

**Persistence and Degradability** Soluble in water Persistence is unlikely based on information available.

**Bioaccumulation/ Accumulation** No information available.

**Mobility** Will likely be mobile in the environment due to its water solubility.

Component	log Pow
Isobutyl alcohol	0.79

## 13. Disposal considerations

### Waste Disposal Methods

**Clean Water Act** Not applicable

**Clean Air Act** Not applicable

**OSHA** Occupational Safety and Health Administration

**End of SDS**