

**MATERIAL SAFETY DATA SHEET**

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**SECTION 1 - MATERIAL IDENTIFICATION**

PRODUCT NAME:	Methylbutenol	FORMULA:	C5 H10 O
SYNONYMS:	2-Methyl-3-buten-2-ol, 1-buten-3-ol, 3-methyl	FORMULA WT:	86.15
CAS #:	115-18-4		
UN #:	N/A		
RTECS #:	EM9472000		

**SECTION 2 - COMPONENTS**

<u>Ingredients</u>	<u>% WW</u>	<u>CAS or UN#</u>	<u>TLV</u>	<u>HAZARD</u>	<u>LD<sub>50</sub>/LC<sub>50</sub></u>
Methylbutenol	98	115-18-4	N/A	Flammable	1074 mg/kg Oral Rat
					1315 mg/kg Intraperitoneal, Rat

Only selected RTECS data presented here. See actual entry for complete details

**SECTION 3 - PHYSICAL DATA FOR MATERIAL**

APPEARANCE:	Colorless or light yellow liquid	SOLUBILITY IN WATER:	N/A
ODOR DESCRIPTION:	Characteristic	BOILING POINT:	98°C
VAPOR PRESSURE (20°C, mm Hg):	51 mm Hg	% VOLATILES:	100
VAPOR DENSITY (AIR = 1):	N/A	FREEZING POINT:	N/A
SPECIFIC GRAVITY @ 25°C (WATER = 1):	.824		

**SECTION 4 - FIRE & EXPLOSION HAZARD OF MATERIAL**

FLASH POINT (CC):	13°C
EXTINGUISHING MEDIA:	CO <sub>2</sub> , dry chemical powder, alcohol or polymer foam.
UNUSUAL FIRE & EXPLOSION HAZARD:	Vapours may travel considerable distance to source of ignition and flash back.
HAZARDOUS COMBUSTION PRODUCTS:	CO, CO <sub>2</sub>
FLAMMABLE LIMITS	
LOWER EXPLOSION LIMIT:	N/A
UPPER EXPLOSION LIMIT:	N/A
AUTO-IGNITION TEMP:	N/A
SENSITIVE TO MECHANICAL IMPACT:	N/A
SENSITIVE TO STATIC DISCHARGE:	N/A

**SECTION 5 - REACTIVITY DATA**

STABILITY:	Yes
CONDITIONS TO AVOID:	Sources of ignition
MATERIALS TO AVOID:	Strong oxidizing agents
HAZARDOUS POLYMERIZATION:	No

**SECTION 6 - PREVENTIVE MEASURES**

RESPIRATORY PROTECTION:	If vapour concentration is high, due to heat, use an approved organic vapor respirator.
VENTILATION:	Self-contained, non-sparking, grounded fumehood is recommended
PROTECTIVE GLOVES:	Hydrocarbon resistant.
EYE PROTECTION:	Splash-proof safety glasses or goggles
OTHER PROTECTIVE EQUIPMENT:	Safety shower, eye wash
SPILL OR LEAK PROCEDURES:	Contain spilled material. Remove sources of ignition. Wear self-contained breathing apparatus, rubber boots and gloves. Cover with carbon absorbent, place in closed container.
WASTE DISPOSAL METHOD:	Incineration or sanitary landfill in accordance with local, provincial/state and federal regulations.
HANDLING PROCEDURES:	DO NOT BREATHE VAPOURS, get in eyes or on skin. Wash thoroughly after handling.
STORAGE REQUIREMENTS:	Store in tightly closed container in a cool, dry place. Keep from heat, sparks or flame.

**SECTION 7 - HEALTH HAZARD & FIRST AID MEASURES**

Carcinogen			Mutagen			Teratogen		
Reproductive Toxin			Synergist			Not Fully Investigated	X	

SKIN:	Flush contaminated area with water for at least 20 minutes. If irritation occurs, seek medical attention.
EYE:	Immediately flush eyes with water for at least 20 minutes, holding the eyelids open. Seek medical attention immediately.
INHALATION:	Remove to fresh air. Oxygen may be given if necessary. Seek medical attention immediately.
INGESTION:	If conscious, have victim drink water or milk to dilute material in stomach. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Seek medical attention immediately.
PRIMARY ROUTE OF ENTRY:	Ingestion, inhalation or skin absorption
EFFECT OF ACUTE EXPOSURE:	Vapour or mist is irritating to eyes, mucous membrane and upper respiratory tract. Prolonged exposure can cause nausea, headache, vomiting and narcotic effects
EFFECT OF CHRONIC EXPOSURE:	N/A

PREPARATION DATE:	February 22, 2011
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ADDITIONAL INFORMATION:	N/A
SOURCES USED:	RTECS

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