



## MATERIAL SAFETY DATA SHEET

### BAC ISOPROPYL ALCOHOL, NON AEROSOL

#### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** BAC ISOPROPYL ALCOHOL, NON AEROSOL

**PRODUCT NO.** MCC-BACG, MCC-BACP, MCC-BACD, MCC-BAC16

**SUPPLIER** MICROCARE CORPORATION  
595 John Downey Drive  
New Britain, CT 06019  
United States of America  
CAGE: OATV9  
+1 860-827-0626  
+1 860-827-8105  
techsupport@microcare.com

**EMERGENCY TELEPHONE** CHEMTREC (800) 424-9300

**IDENTIFICATION No.** UN1219

#### 2 HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

FLAMMABLE. Avoid exposing aerosol containers to high temperatures or direct sunlight. Colorless liquid Prolonged or repeated contact leads to drying of skin. The liquid may irritate the skin, the eyes and the respiratory tract. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Vapors may be ignited by a spark, a hot surface or an ember. No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation. Keep out of reach of children.

##### PHYSICAL AND CHEMICAL HAZARDS

The product is highly flammable, and explosive vapors/air mixtures may be formed even at normal room temperatures.

##### HUMAN HEALTH

See section 11 for additional information on health hazards.

##### POTENTIAL HEALTH EFFECTS

##### GENERAL INFORMATION

No specific health warnings noted.

##### INHALATION

May cause irritation to the respiratory system. Vapors may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

##### INGESTION

May cause stomach pain or vomiting.

##### SKIN CONTACT

Product has a defatting effect on skin. May cause skin irritation/eczema

##### EYE CONTACT

Irritating to eyes.

##### CARCINOGENICITY

This substance has no evidence of carcinogenic properties.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
PROPAN-2-OL	200-661-7	67-63-0	60-100%

#### 4 FIRST-AID MEASURES

##### GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

## BAC ISOPROPYL ALCOHOL, NON AEROSOL

### INHALATION

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

### INGESTION

DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Do not give victim anything to drink if they are unconscious. Consult a physician for specific advice.

### SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

### SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapors.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Vapors are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

### PROTECTIVE MEASURES IN FIRE

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

FLAMMABILITY LIMIT - 2.0

LOWER(%)

FLAMMABILITY LIMIT - UPPER(%) 12.7

FLASH POINT (°C) 12 C / 53 F TCC (Tag closed cup).

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear approved, tight fitting safety glasses where splashing is probable.

### SPILL CLEAN UP METHODS

Wear necessary protective equipment. If leakage cannot be stopped, evacuate area. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

## 7 HANDLING AND STORAGE

### HANDLING

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Keep out of reach of children.

### STORAGE

Store in closed original container in a dry place. Do not store near heat sources or expose to high temperatures.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

## BAC ISOPROPYL ALCOHOL, NON AEROSOL

### HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

### EYE PROTECTION

Use eye protection. Wear approved, tight fitting safety glasses where splashing is probable.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid		
COLOR	Colorless		
ODOR	Characteristic Odor of alcohol		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	77.6 c / 173 F	VAPOR DENSITY (air=1)	1.82
VAPOR PRESSURE	39 mm Hg 20 C / 70 F	VOLATILE BY VOL. (%)	100
FLASH POINT (°C)	12 C / 53 F TCC (Tag closed cup).		

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

### HAZARDOUS POLYMERISATION

Will not polymerize.

### MATERIALS TO AVOID

Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapors/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

## 11 TOXICOLOGICAL INFORMATION

Name	PROPAN-2-OL
Toxic Dose 1 - LD 50	5045 mg/kg (oral rat)
Toxic Dose 2 - LD 50	3600 mg/kg (oral-mouse)
Toxic Conc. - LC 50	16,000 ppm/1h (inh-rat)

## 12 ECOLOGICAL INFORMATION

Name	PROPAN-2-OL
LC 50, 96 hrs, Fish mg/l	9,640
EC 50, 48 hrs, Daphnia, mg/l	5102
IC 50, 72 hrs, Algae, mg/l	>2,000

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION

## BAC ISOPROPYL ALCOHOL, NON AEROSOL



DOT PROPER SHIPPING NAME	ISOPROPANOL		
DOT PROPER SHIPPING NAME	ISOPROPANOL		
IDENTIFICATION No.	UN1219	DOT HAZARD CLASS	2.1
DOT PACKING GROUP	N/A	U.S DOT HAZARD LABEL	Flammable Gas
MARKINGS	ORM-D	UN NO. SEA	UN1219
IMDG CLASS	3	IMDG PACK GR.	II
EMS	F-D, S-U	MFAG	See Subsection 4.2 of MFAG.
UN NO. AIR	UN1219	AIR CLASS	3
AIR PACK GR.	II	DOT PACKING GROUP	N/A

### 15 REGULATORY INFORMATION

#### INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
PROPAN-2-OL	DSL	Yes						

#### SARA (311/312) HAZARD CATEGORIES

Acute Chronic Fire

#### REGULATORY STATUS (US)

This Product is Hazardous under the OSHA Hazard Communication Standard. TSCA: The ingredients of this product are on the TSCA Inventory. SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

#### REGULATORY REFERENCES

NFPA30 Flammable and Combustible Liquids Code. 29 CFR 1910.1010 Federal Regulations (OSHA Standard).

### WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM -WHMIS

#### LABEL(S) FOR SUPPLY



Flammable  
Liquid.



Materials Causing  
Other Toxic  
Effects.

#### CONTROLLED PRODUCT CLASSIFICATION

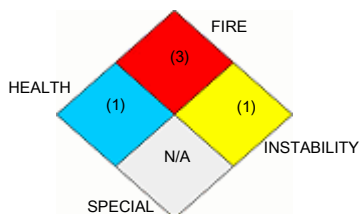
Canadian WHMIS Classification A B2 D2 WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

### 16 OTHER INFORMATION

#### HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

**BAC ISOPROPYL ALCOHOL, NON AEROSOL**

HEALTH		1
FLAMMABILITY		3
PHYSICAL		1
PERSONAL PROTECTION	supervisor fc	

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)****REVISION COMMENTS**

NOTE: Lines within the margin indicate significant changes from the previous revision.

**REVISION DATE** 13/10/2009

**VERSION No.** 2

**DATE** June 4, 2009

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.