



## SAFETY DATA SHEET BAC ISOCLEAN, NON AEROSOL

According to Regulation (EC) No 1907/2006

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>PRODUCT NAME</b>	BAC ISOCLEAN, NON AEROSOL		
<b>PRODUCT NO.</b>	MCC-BACG, MCC-BACP, MCC-BACD, MCC-BAC16		
<b>SUPPLIER</b>	MICROCARE EUROPE BVBA Erasmuslaan 10 B-1804 Cargovil (Zemst) Belgium 0032 2 251 95 05 0032 2 759 80 27 techsupport@microcare.com	<b>MANUFACTURER</b>	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

### 2 HAZARDS IDENTIFICATION

Highly flammable. Vapours may cause drowsiness and dizziness. Irritating to eyes.

**CLASSIFICATION** Xi;R36. F;R11. R67.

#### PHYSICAL AND CHEMICAL HAZARDS

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

#### HUMAN HEALTH

See section 11 for additional information on health hazards.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PROPAN-2-OL	200-661-7	67-63-0	60-100%	F;R11 Xi;R36 R67

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

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

#### 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.

## BAC ISOCLEAN, NON AEROSOL

### 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 vapours.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Vapours 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.

## 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

### USAGE PRECAUTIONS

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

### STORAGE PRECAUTIONS

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

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	

WEL = Workplace Exposure Limit.

### 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 Workplace Exposure Limit.

### 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 vapour 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

**BAC ISOCLEAN, NON AEROSOL**

<b>APPEARANCE</b>	Clear liquid		
<b>COLOUR</b>	Colourless		
<b>ODOUR</b>	Characteristic Odour of alcohol		
<b>VOLATILITY DESCRIPTION</b>	Volatile.		
<b>SOLUBILITY</b>	Soluble in water		
<b>BOILING POINT (°C)</b>	77.6 c / 173 F	<b>VAPOUR DENSITY (air=1)</b>	1.82
<b>VAPOUR PRESSURE</b>	39 mm Hg 20 C / 70 F	<b>VOLATILE BY VOL. (%)</b>	100
<b>FLASH POINT (°C)</b>	12 C / 53 F TCC (Tag closed cup).	<b>FLAMMABILITY LIMIT - LOWER(%)</b>	2.0
<b>FLAMMABILITY LIMIT - UPPER(%)</b>	12.7		

**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 polymerise.

**MATERIALS TO AVOID**

Strong oxidising substances.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11 TOXICOLOGICAL INFORMATION****GENERAL INFORMATION**

No specific health warnings noted.

**INHALATION**

May cause irritation to the respiratory system. Vapours 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.

**OTHER HEALTH EFFECTS**

This substance has no evidence of carcinogenic properties.

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

**12 ECOLOGICAL INFORMATION**

<b>Name</b>	PROPAN-2-OL
<b>LC 50, 96 Hrs, FISH mg/l</b>	9,640
<b>EC 50, 48 Hrs, DAPHNIA, mg/l</b>	5102
<b>IC 50, 72 Hrs, ALGAE, mg/l</b>	>2,000

**13 DISPOSAL CONSIDERATIONS**

**BAC ISOCLEAN, NON AEROSOL****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**

<b>PROPER SHIPPING NAME</b>	ISOPROPANOL		
<b>UN NO. ROAD</b>	UN1219	<b>ADR CLASS NO.</b>	3
<b>ADR CLASS</b>	Class 3: Flammable liquids.	<b>ADR PACK GROUP</b>	II
<b>ADR LABEL NO.</b>	3	<b>HAZCHEM CODE</b>	N/A
<b>RID CLASS NO.</b>	3	<b>UN NO. SEA</b>	UN1219
<b>IMDG CLASS</b>	3	<b>IMDG PACK GR.</b>	II
<b>EMS</b>	F-D, S-U	<b>UN NO. AIR</b>	UN1219
<b>AIR CLASS</b>	3	<b>AIR PACK GR.</b>	II

**15 REGULATORY INFORMATION****LABELLING**

Irritant



Highly Flammable

**RISK PHRASES**

R11	Highly flammable.
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.

**SAFETY PHRASES**

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

**NATIONAL REGULATIONS**

The Aerosol Dispensers (EEC Requirements)(Amendment) Regulations 1996 (SI 1996 No 2421).

**16 OTHER INFORMATION****REVISION COMMENTS**

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

## **BAC ISOCLEAN, NON AEROSOL**

**REVISION DATE** 19/08/2009  
**REV. NO./REPL. SDS** 2  
**GENERATED DATE** June 4, 2009

### **RISK PHRASES IN FULL**

R11 Highly flammable.  
R36 Irritating to eyes.  
R67 Vapours may cause drowsiness and dizziness.

### **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.