



## SAFETY DATA SHEET

### PROW - PROCLEAN SOLVENT, PRESATURATED WIPES

According to Regulation (EC) No 1907/2006

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

<b>PRODUCT NAME</b>	PROW - PROCLEAN SOLVENT, PRESATURATED WIPES		
<b>PRODUCT NO.</b>	MCC-PROW, MCC-PROWR		
<b>SUPPLIER</b>	<b>MANUFACTURER</b>	MICROCARE CORPORATION	
	MICROCARE EUROPE, BVBA Havendoklaan 19 1804 Cargovil - Vilvoorde Belgium +32 251 95 05	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

Vapours may cause drowsiness and dizziness. Irritating to eyes.

**CLASSIFICATION (1999/45)** Xi;R36. R67.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
ETHANOL	200-578-6	64-17-5	30-60%	F;R11
METHANOL	200-659-6	67-56-1	1-5%	F;R11 T;R23/24/25,R39/23/24/25
PROPAN-2-OL	200-661-7	67-63-0	30-60%	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 he is 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 vapours.

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### UNUSUAL FIRE & EXPLOSION HAZARDS

HIGHLY FLAMMABLE! Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

### SPECIFIC HAZARDS

Considering the size of the packaging, the risk is regarded as minimal.

### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Use protective gloves, goggles and suitable protective clothing. Do not smoke, use open fire or other sources of ignition. Provide adequate ventilation.

### 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. Dam and absorb spillages with sand, earth or other non-combustible material. Collect in containers and seal securely.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Do not eat, drink or smoke when using the product. 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.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep containers tightly closed. Keep away from heat, sparks and open flame.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ETHANOL	WEL	1000 ppm	1920 mg/m3			
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	
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. Avoid heat, flames and other sources of ignition.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

### HAND PROTECTION

Chemical resistant gloves required for prolonged or repeated contact. Gloves of nitrile rubber, PVA or Viton are recommended.

### EYE PROTECTION

Use eye protection. Wear approved chemical safety goggles where eye exposure is reasonably 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.

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### SKIN PROTECTION

Not relevant considering the small amounts used.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid		
COLOUR	Colourless		
ODOUR	Odour of alcohol		
PHYSICAL DATA COMMENTS	Information given concerns the major ingredient.		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Soluble in water.		
Flammability	FLAMMABLE.		
BOILING POINT (°C)	77.6	VAPOUR DENSITY (air=1)	1.82
VAPOUR PRESSURE	39 mm Hg 20	VOLATILE BY VOL. (%)	100
FLASH POINT (°C)	12 TCC (Tag closed cup).	FLAMMABILITY LIMIT - LOWER(%)	2.0
FLAMMABILITY LIMIT - UPPER(%)	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

#### 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

Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

#### SKIN CONTACT

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

#### EYE CONTACT

Irritating to eyes.

#### HEALTH WARNINGS

Keep out of the reach of children.

#### OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

Name	METHANOL
Toxic Dose 1 - LD 50	13000 mg/kg (oral rat)
Name	ETHANOL
Toxic Dose 1 - LD 50	7,060 mg/kg (oral rat)
Toxic Conc. - LC 50	20000 mg/l/4h (inh-rat)
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)

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### 12 ECOLOGICAL INFORMATION

Name	METHANOL
LC 50, 96 Hrs, FISH mg/l	1368
Name	ETHANOL
LC 50, 96 Hrs, FISH mg/l	>10,000
EC 50, 48 Hrs, DAPHNIA, mg/l	7,800
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

#### GENERAL INFORMATION

Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. Recover and reclaim or recycle, if practical.

#### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION



UK ROAD CLASS	4.1		
PROPER SHIPPING NAME	SOLIDS CONTAINING A FLAMMABLE LIQUID N.O.S. (ISOPROPANOL)		
UN NO. ROAD	UN3175	UK ROAD PACK GR.	II
ADR PACK GROUP	II	UN NO. AIR	UN3175
AIR CLASS	4.1	AIR PACK GR.	II

### 15 REGULATORY INFORMATION

#### LABELLING



Irritant

#### RISK PHRASES

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

#### SAFETY PHRASES

S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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.

## PROW - PROCLEAN SOLVENT, PRESATURATED WIPES

### 16 OTHER INFORMATION

#### REVISION COMMENTS

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

REVISION DATE 05/01/2011

REV. NO./REPL. SDS 3  
GENERATED

#### SAFETY DATA SHEET STATUS

Approved.

DATE 05-01-11

#### RISK PHRASES IN FULL

R11 Highly flammable.

R36 Irritating to eyes.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

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.