



## SAFETY DATA SHEET

### PROW - PROCLEAN SOLVENT, PRESATURATED WIPES

According to Regulation (EU) No 453/2010  
According to Regulation (EC) No 1907/2006

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

**Product name** PROW - PROCLEAN SOLVENT, PRESATURATED WIPES  
**Product No.** MCC-PROW, MCC-PROWR

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Cleaning agent.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** MICROCARE EUROPE, BVBA  
Havendoklaan 19  
1804 Cargovil - Vilvoorde  
Belgium  
+32 2 251 95 05

**Manufacturer** MICROCARE CORPORATION  
595 John Downey Drive  
New Britain, CT 06051  
United States of America  
CAGE: OATV9  
+1 860-827-0626  
+1 860-827-8105  
techsupport@microcare.com

##### 1.4. Emergency telephone number

0032-2-251-95-05 (9 AM - 5 PM, Mon- Fri)

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 1 - H224
Human health	Eye Irrit. 2 - H319; STOT Single 3 - H336
Environment	Not classified.

###### Classification (1999/45/EEC)

Xi; R36. F+; R12. R67.

###### Physical and Chemical Hazards

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures. Vapours are heavier than air and may travel along the floor and in the bottom of containers.

##### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



**PROW - PROCLEAN SOLVENT, PRESATURATED WIPES**

<b>Signal Word</b>	Danger	
<b>Hazard Statements</b>	H224	Extremely flammable liquid and vapour.
	H319	Causes serious eye irritation.
	H336	May cause drowsiness or dizziness.
<b>Precautionary Statements</b>	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P271	Use only outdoors or in a well-ventilated area.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P313	Get medical advice/attention.
	P501	Dispose of contents/container to ...
<b>Supplementary Precautionary Statements</b>	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264	Wash ... thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P337	If eye irritation persists:
	P370+378	In case of fire: Use ... for extinction.
	P403+233	Store in a well-ventilated place. Keep container tightly closed.
	P403+235	Store in a well-ventilated place. Keep cool.
	P405	Store locked up.

**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

<b>ETHANOL</b>	<b>30-60%</b>
<b>CAS-No.: 64-17-5</b>	<b>EC No.: 200-578-6</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
<b>METHANOL</b>	<b>1-5%</b>
<b>CAS-No.: 67-56-1</b>	<b>EC No.: 200-659-6</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25

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<b>PROPAN-2-OL</b>		<b>30-60%</b>
<b>CAS-No.: 67-63-0</b>	<b>EC No.: 200-661-7</b>	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	F;R11	
Eye Irrit. 2 - H319	Xi;R36	
STOT Single 3 - H336	R67	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: FIRST AID MEASURES****4.1. Description of 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**

Due to the physical nature of this material it is unlikely that swallowing will occur. 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.

**4.2. Most important symptoms and effects, both acute and delayed****General information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**Inhalation.**

Vapours may cause drowsiness and dizziness. Headache. Irritation of nose, throat and airway.

**Ingestion**

Due to the physical nature of this material it is unlikely that swallowing will occur. Ingestion of large amounts may cause unconsciousness. May cause nausea, headache, dizziness and intoxication.

**Skin contact**

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. May cause skin irritation/eczema.

**Eye contact**

May cause temporary eye irritation. Irritating and may cause redness and pain.

**4.3. Indication of any immediate medical attention and special treatment needed**

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Extinguishing media**

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

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture****Hazardous combustion products**

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

**Unusual Fire & Explosion Hazards**

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

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### Specific hazards

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

### 5.3. Advice for firefighters

#### 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.

#### Protective equipment for fire-fighters

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

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

### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

### 6.3. Methods and material for containment and cleaning up

Warn everybody of potential hazards and evacuate if necessary. If leakage cannot be stopped, evacuate area. Wear necessary protective equipment. 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.

### 6.4. Reference to other sections

For personal protection, see section 8. See section 11 for more detailed information on health effects and symptoms.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

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.

### 7.2. Conditions for safe storage, including any incompatibilities

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.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

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

### 8.2. Exposure controls

#### Protective equipment



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### 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. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

### 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.

### Skin protection

Not relevant considering the small amounts used.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Odour of alcohol.
Solubility	Soluble in water.
Initial boiling point and boiling range	77.6
Vapour density (air=1)	1.82
Vapour pressure	39 mm Hg 20
Flash point (°C)	12 TCC (Tag closed cup).
Flammability Limit - Lower(%)	2.0
Flammability Limit - Upper(%)	12.7
Comments	Information given concerns the major ingredient.

### 9.2. Other information

Volatility Description	Volatile
Volatile By Vol. (%)	100
UDF Phrase 1	FLAMMABLE.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

#### Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

#### Materials To Avoid

Strong oxidising substances.

### 10.6. Hazardous decomposition products

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

**PROW - PROCLEAN SOLVENT, PRESATURATED WIPES****SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Other Health Effects**

This substance has no evidence of carcinogenic properties.

**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.

<b>Name</b>	<b>METHANOL</b>
<b>Toxic Dose 1 - LD 50</b>	13000 mg/kg (oral rat)
<b>Name</b>	<b>ETHANOL</b>
<b>Toxic Dose 1 - LD 50</b>	7,060 mg/kg (oral rat)
<b>Toxic Conc. - LC 50</b>	20000 mg/l/4h (inh-rat)
<b>Name</b>	<b>PROPAN-2-OL</b>
<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)

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity****12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****Mobility:**

The product is soluble in water.

**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects**

The product contains volatile, organic compounds which have a photochemical ozone creation potential.

<b>Name</b>	<b>METHANOL</b>
<b>LC 50, 96 Hrs, Fish mg/l</b>	1368
<b>Name</b>	<b>ETHANOL</b>
<b>LC 50, 96 Hrs, Fish mg/l</b>	>10,000
<b>EC 50, 48 Hrs, Daphnia, mg/l</b>	7,800
<b>Name</b>	<b>PROPAN-2-OL</b>
<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

**SECTION 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.

**PROW - PROCLEAN SOLVENT, PRESATURATED WIPES****13.1. Waste treatment methods**

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

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

UN No. (ADR/RID/ADN)	UN3175
UN No. (ICAO)	UN3175

**14.2. UN proper shipping name**

Proper Shipping Name	SOLIDS CONTAINING A FLAMMABLE LIQUID N.O.S. (ISOPROPANOL)
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**14.3. Transport hazard class(es)**

ICAO Class/Division	4.1
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**Transport Labels****14.4. Packing group**

ADR/RID/ADN Packing group	II
ICAO Packing group	II

**14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****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.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION****Revision Comments**

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

Revision Date	05/01/2012
Revision	4
Supersedes date	05/01/2011
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.

## PROW - PROCLEAN SOLVENT, PRESATURATED WIPES

### Hazard Statements In Full

H370	Causes damage to organs <<Organs>>.
H319	Causes serious eye irritation.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.

### 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.