

## SAFETY DATA SHEET

### PRO127 PROCLEAN FLUX REMOVER EU AEROSOL

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** PRO127 PROCLEAN FLUX REMOVER EU AEROSOL  
**Product No.** MCC-PRO127

##### 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

**Contact Person** techsupport@microcare.com  
**Manufacturer** MICROCARE CORPORATION  
595 John Downey Drive  
New Britain, CT 06051  
United States of America  
CAGE: OATV9  
Tel: +1 860-827-0626  
Fax: +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. Aerosol 1 - H222
Human health	Eye Irrit. 2 - H319; STOT Single 3 - H336
Environment	Not classified.

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

Xi; R36. F; R11. R67.

###### **Human health**

Splashes in the eyes may cause redness and irritation. Keep out of the reach of children. See section 11 for additional information on health hazards.

###### **Environment**

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

###### **Physical and Chemical Hazards**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

##### 2.2. Label elements

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



###### **Signal Word**

Danger

###### **Hazard Statements**

H222	Extremely flammable aerosol.
H319	Causes serious eye irritation.

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H336 May cause drowsiness or dizziness.

**Precautionary Statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Pressurized container: Do not pierce or burn, even after use.  
 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 ...

**Supplementary Precautionary Statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash ... thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 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:  
 P403+233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122° F.

**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
<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) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67

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

## PRO127 PROCLEAN FLUX REMOVER EU AEROSOL

### Composition Comments

The data shown are in accordance with the latest EC Directives.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Promptly remove any clothing that becomes wet. 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

Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Contact physician if irritation 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.

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

#### Ingestion

Ingestion may result in unconsciousness, blindness and death. May cause nausea, headache, dizziness and intoxication.

#### Skin contact

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

#### Eye contact

Irritation and redness followed by blurred vision. Conjunctivitis, irritation, tearing.

### 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

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

#### Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### Specific hazards

Aerosol containers can explode when heated, due to excessive pressure build-up.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Aerosol containers can explode when heated, due to excessive pressure build-up. 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.

**PRO127 PROCLEAN FLUX REMOVER EU AEROSOL****SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear approved, tight fitting safety glasses where splashing is probable. Follow precautions for safe handling described in this safety data sheet.

**6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground.

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

Wear necessary protective equipment. Protective gloves and goggles must be used if there is a risk of direct contact or splash. 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.

**6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

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 the reach of children.

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

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

**7.3. Specific end use(s)**

Cleaning agent.

**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/m <sup>3</sup>			
METHANOL	WEL	200 ppm(Sk)	266 mg/m <sup>3</sup> (Sk)	250 ppm(Sk)	333 mg/m <sup>3</sup> (Sk)	
PROPAN-2-OL	WEL	400 ppm	999 mg/m <sup>3</sup>	500 ppm	1250 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

**Ingredient Comments**

WEL = Workplace Exposure Limits

**8.2. Exposure controls****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.

**Hand protection**

For prolonged or repeated skin contact use suitable protective gloves. Gloves of nitrile rubber, PVA or Viton are recommended.

**Eye protection**

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

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### 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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Colour	Clear Colourless.
Odour	Odour of alcohol.
Solubility	Completely soluble in water
Initial boiling point and boiling range	77.6
Vapour density (air=1)	1.82
Vapour pressure	39 mm Hg 20
Odour Threshold, Lower	Not determined.
Odour Threshold, Upper	Not determined.
Flash point (°C)	17 TOC (Tag open cup).
Auto Ignition Temperature (°C)	Not determined.
Flammability Limit - Lower(%)	2.0
Flammability Limit - Upper(%)	12.7
Solid/Liquid Ignition On Contact With Air.	No.
Comments	Aerosol.

### 9.2. Other information

Volatility Description	Volatile
Volatile By Vol. (%)	100
Volatile Organic Compound (VOC)	785 g/litre

## 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>). Hydrogen fluoride (HF).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**PRO127 PROCLEAN FLUX REMOVER EU AEROSOL****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.

**Skin contact**

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

**Eye contact**

Irritating to eyes.

<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)
<b>Name</b>	<b>TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE</b>
<b>Toxic Conc. - LC 50</b>	>207000 ppm/-- (ihl-rat)

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

The product contains a substance which has a photochemical ozone creation potential.

**12.1. Toxicity****12.2. Persistence and degradability****12.3. Bioaccumulative potential****Bioaccumulative potential**

No data available on bioaccumulation.

**12.4. Mobility in soil****Mobility:**

The product contains substances, which are water soluble and may spread in water systems. The product contains volatile substances, which may spread in the atmosphere.

**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
<b>Name</b>	<b>TRANS-1,3,3,3-TETRAFLUOROPROP-1-ENE</b>
<b>EC 50, 48 Hrs, Daphnia, mg/l</b>	>160

**Degradability**

The product is not readily biodegradable.

**SECTION 13: DISPOSAL CONSIDERATIONS**

## PRO127 PROCLEAN FLUX REMOVER EU AEROSOL

### General information

Recover and reclaim or recycle, if practical.

#### 13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1. UN number

UN No. (ADR/RID/ADN)	UN1950
UN No. (IMDG)	UN1950
UN No. (ICAO)	UN1950

#### 14.2. UN proper shipping name

Proper Shipping Name	UN1950, Aerosols Flammable, 2.1. PG: N/A, Limited Quantity
Proper Shipping Name	AEROSOLS, Flammable

#### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	Class 2.1: Flammable gases.
IMDG Class	2.1
ICAO Class/Division	2.1
ICAO Subsidiary risk	N/A
Transport Labels	



#### 14.4. Packing group

ADR/RID/ADN Packing group	N/A
IMDG Packing group	N/A
ICAO Packing group	N/A

#### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

#### 14.6. Special precautions for user

EMS	F-D, S-U
Emergency Action Code	N/A

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

### 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.

## PRO127 PROCLEAN FLUX REMOVER EU AEROSOL

### EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### National Regulations

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

### Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

### Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

### 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	07/02/2012
Revision	6
Supersedes date	05/01/2012
Date	23 September, 2011

### 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.

### 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.