

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 20.05.2005

* 1 Identification of substance:

- **Product details:**

- **Trade name:** Plastic, Metal & Glass Cleaner

- **Article number:**

MCC-4761, MCC-4761G, MCC-4761P, MCC-4761D
MCC-PMG, MCC-PMGG, MCC-PMGP, MCC-PMGD

- **Application of the substance / the preparation** Mild water-based allround cleaner for glass-, metal-, and plastic surfaces

- **Supplier/Manufacturer:**

Micro Care Corporation
595 John Downey Drive
New Britain, CT 06051
United States of America
Tel.: +1-860-827-0626
Fax: +1-860-827-8105

MicroCare Europe bvba
Erasmuslaan 10
1804 Zemst
Belgium

- **Email competent person:** angelika.torges@kft.de

- **Information department:**

Tech support (Micro Care): Tel.: +1-860-827-0626
Email: techsupport@microcare.com

- **Emergency information:** National Poisons Information Centre Tel.: +44 (0)870 6006266

2 Hazards identification

- **Hazard description:** not applicable

- **Information pertaining to particular dangers for man and environment:**

According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

- **Classification system:**

The classification was made according to the latest editions of the EU-lists, and expanded using company data and specialized literature.

- **Additional information:** See also item 15: Special label requirements for special mixtures.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Cleaning agent with water and alcohol

- **Dangerous components:**

CAS: 64-17-5	ethanol	5.0-8.0%
EINECS: 200-578-6	F; R 11	
EU Number: 603-002-00-5		

CAS: 1336-21-6	ammonia, aqueous solution	1.0-3.0%
EINECS: 215-647-6	C, N; R 34-50	
EU Number: 007-001-01-2		

- **Additional information** For the wording of the listed risk phrases refer to section 16.

* 4 First aid measures

- **General information:** If symptoms persist or in case of doubt seek medical advice.

- **After inhalation:** Supply fresh air and be sure to call for a doctor.

(Contd. on page 2)

— GB —

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 20.05.2005

Trade name: Plastic, Metal & Glass Cleaner

(Contd. of page 1)

- **After skin contact:**
Remove soiled clothes and shoes.
Wash with water and soap and rinse with plenty of water.
 - **After eye contact:**
Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult a doctor or better an eye specialist.
 - **After swallowing:**
Rinse out mouth and then drink plenty of water.
Induce vomiting, only if affected person is fully conscious.
Seek immediate medical advice.
 - **Information for doctor:**
 - **The following symptoms may occur:**
Irritation of eyes and mucuous membrane.
After swallowing:
Gastric or intestinal disorders.
Vomiting
Nausea
After inhalation:
Irritation of mucuous membranes
After inhalation of high vapour concentration levels:
Headache
Daze
Inability to concentrate
 - **Treatment:** Symptomatic treatment
-

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
 - **Special hazards caused by the material, its products of combustion or resulting gases:**
Dangerous decomposition product see chapter 10: stability and reactivity
 - **Protective equipment:** No special measures required.
 - **Additional information:**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
-

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
 - **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.
 - **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.
-

* 7 Handling and storage

- **Handling**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Store in cool, dry place in tightly closed receptacles.
Avoid inhalation of vapours.
Avoid contact with eyes and skin.

(Contd. on page 3)

— GB —

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 20.05.2005

Trade name: Plastic, Metal & Glass Cleaner

(Contd. of page 2)

- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store cool and dry in a well ventilated area.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from feed.
 - Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **Storage class** 12 Non combustible liquids

* 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
 - 64-17-5 ethanol**
 - WEL (Great Britain) Long-term value: 1920 mg/m³, 1000 ppm
 - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
 - The usual precautionary measures should be adhered to when handling chemicals.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** At longer contact: protective gloves
- **Material of gloves:**
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material:**
 - The exact break-through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- **General Information**

Form:	Fluid
Colour:	Colourless Clear
Odour:	Alcohol-like Ammonia-like

- **Change in condition:**
 - Melting point/Melting range:** undetermined
 - Boiling point/Boiling range:** 99°C
- **Flash point:** not applicable
- **Self igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 0.9 g/cm³
- **Solubility in / Miscibility with Water:** Easily soluble

(Contd. on page 4)
— GB —

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 20.05.2005

Trade name: Plastic, Metal & Glass Cleaner

(Contd. of page 3)

· **pH-value:** Not determined

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
 - **Materials to be avoided:**
 - Strong acids
 - Strong oxidants
 - Aldehydes
 - Acetyl chloride
 - Halogens
 - Halogen compounds
 - **Dangerous products of decomposition:**
 - In the case of fire or at high temperatures the formation of the following decomposition products is possible.
 - Carbon dioxide
 - Carbon monoxide
-

* 11 Toxicological information

- **Acute toxicity:**
 - **LD/LC50 values that are relevant for classification:**
 - 64-17-5 ethanol**
 - Oral LD₅₀ 7060 mg/kg (rat)
 - Inhalative LC₅₀/4 h 20000 mg/L (rat)
 - 1310-73-2 sodium hydroxide**
 - Oral LD₅₀ 2000 mg/kg (rat)
 - **Primary irritant effect:**
 - **on the skin:** Repeated contact has a drying effect on the skin.
 - **on the eye:** Light irritation possible
 - **Sensitization:** No sensitizing effects known.
 - **Additional toxicological information:**
 - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
-

* 12 Ecological information

- **Ecotoxicological effects:**
 - **Aquatic toxicity:**
 - 64-17-5 ethanol**
 - EC₅₀/24h 10800 mg/l (daphnia magna)
 - LC₅₀/48h 8140 mg/l (leuciscus idus)
 - LC₅₀/96h 14200 mg/l (Pimephales promelas)
 - 1310-73-2 sodium hydroxide**
 - EC₅₀/24h 76 mg/l (daphnia magna)
 - LC₅₀/48h 99 mg/l (Iepomis macrochirus)
 - LC₅₀/96h 45.4 mg/l (Onchorhynchus mykiss)
 - **General notes:**
 - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
 - According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)
 - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
 - Danger to drinking water is possible if large quantities leak into the ground or into water course.
-

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 20.05.2005

Trade name: **Plastic, Metal & Glass Cleaner**

(Contd. of page 4)

13 Disposal considerations

- **Product:**
- **Recommendation:**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal according to instructions of local authorities.

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good according to the regulation.
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** No hazardous good according to the regulation.

*15 Regulations

- **Markings according to EC guidelines:** Observe the general safety regulations when handling chemicals
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

*16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for amendments:**
TLV
Regulation (EC) No. 1907/2006
General revision
- **Relevant R-phrases:**
11 Highly flammable.
34 Causes burns.
50 Very toxic to aquatic organisms.
- **Department issuing MSDS:**
KFT-Chemieservice Marienstr. 3 D-64347 Griesheim
Postfach 1451 D-64345 Griesheim
Tel.: +49-6155-823241 Fax: +49-6155-823246
- **Contact:** Angelika Torges
- *** Data compared to the previous version altered.**
Changes have been made to chapters marked with a *, as compared to the previous version.