

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 10.03.2008

* 1 Identification of substance:

- **Product details:**

- **Trade name:** **BGA Stencil Cleaner**

- **Article number:**

MCC-BGA, MCC-BGAG, MCC-BGAP, MCC-BGAD,
MCC-DBGA, MCC-DBGAG, MCC-DBGAP, MCC-DBGAD,
MCC-NBGA, MCC-NBGAG, MCC-NBGAP, MCC-NBGAD,

- **Application of the substance / the preparation** Water-based cleaner that is engineered for stencil cleaning applications

- **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.

3 Composition/information on ingredients

- **Chemical characterization:** A blended compound of demineralized water and modified alcohols

- **Identification number(s):**

- **EINECS Number:** -

* 4 First aid measures

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

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Wash with water and soap.

If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

(Contd. on page 2)

GB

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 10.03.2008

Trade name: **BGA Stencil Cleaner**

(Contd. of page 1)

- **Information for doctor:**
- **The following symptoms may occur:**
 - Irritation of eyes and mucous membrane.
 - After inhalation of high vapour concentration levels:
 - Headache
 - Daze
 - Anorexia
 - Lassitude
 - Inability to concentrate
 - After the uptake of large quantities:
 - Gastric or intestinal disorders.
 - Vomiting
 - Diarrhoea
 - Nausea
- **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.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
 - Dangerous decomposition product see chapter 10: stability and reactivity
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information:**
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
 - Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.
 - Send for recovery or disposal in suitable receptacles.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Avoid contact with eyes and skin.
 - Avoid inhalation of vapours.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store cool and dry.
- **Information about storage in one common storage facility:** Not required.
- **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.

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 10.03.2008

Trade name: **BGA Stencil Cleaner**

(Contd. of page 2)

- **Components with limit values that require monitoring at the workplace:** Not required.
- **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.
Avoid close or long term contact with the skin.
Do not inhale gases / fumes / aerosols.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**
Protective gloves or protective skin cream.
To avoid skin problems reduce the wearing of gloves to the required minimum.
- **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:** -
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	Colourless
Odour:	Mild Aromatic

· Change in condition:

Melting point/Melting range: undetermined
Boiling point/Boiling range: 97°C

- **Flash point:** not applicable
- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapour pressure:** 31 mbar
- **Density at 20°C:** 1 g/cm³
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value (10 g/l) at 20°C:** 10.0

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Materials to be avoided:**
Strong oxidants
Strong acids
Aldehydes
Halogens
Halogen compounds
Chlorides
- **Dangerous reactions:** No dangerous reactions known

(Contd. on page 4)
— GB —

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 10.03.2008

Trade name: **BGA Stencil Cleaner**

(Contd. of page 3)

· **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
124-68-5 2-amino-2-methylpropanol
 Oral LD50 2900 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:**
 May cause irritation to the skin.
 Continuing or repeated contact with the skin may cause skin disease.
- **on the eye:**
 May cause irritation to the eyes.
 Vapours may cause mild irritation
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
 At low concentration levels inhalation of vapours irritate eyes, nose and throat.
 Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.
 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.
 The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

- **General notes:**
 Generally not hazardous for water.
 According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)

13 Disposal considerations

- **Product:**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **European waste catalogue:**
 07 07 99 wastes not otherwise specified
- **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.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** No hazardous good according to the regulation.

— GB —
 (Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 10.03.2008

Revision: 10.03.2008

Trade name: BGA Stencil Cleaner

(Contd. of page 4)

15 Regulations

· Markings according to EC guidelines:

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

· National regulations**· Water hazard class:** Generally not 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:

Regulation (EC) No. 1907/2006

General revision

· 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.