

Revision Date 08/28/2013  
Revision 7  
Supersedes Date 07/31/2013



## SAFETY DATA SHEET BGA - AQUEOUS STENCIL CLEANER

### 1. IDENTIFICATION

**Product Name** BGA - AQUEOUS STENCIL CLEANER  
**Product No.** MCC-BGA, MCC-BGAG, MCC-BGAP, MCC-BGAD  
**Synonyms, Trade Names** "BGA STENCIL CLEANER"  
**Identified uses** Cleaning agent.  
**Supplier** MicroCare Corporation  
595 John Downey Drive  
New Britain, CT 06019  
United States of America  
Toll Free: 1-800-638-0125  
Tel: 1-860-827-0626  
Web: [www.MicroCare.com](http://www.MicroCare.com)  
email: [techsupport@microcare.com](mailto:techsupport@microcare.com)

[www.MicroCare.com](http://www.MicroCare.com)

**Emergency Telephone** CHEMTREC (800) 424-9300

### 2. HAZARD(S) IDENTIFICATION

#### EMERGENCY OVERVIEW

This product is not flammable. Colourless liquid. Slight odor. May irritate eyes and skin. Keep out of the reach of children.

**Appearance** Clear liquid.

**Color** Colourless.

**Odor** Aromatic.

**GHS Pictogram**

No pictogram required.

#### Precautionary Statements

P102 Keep out of reach of children.

#### GHS Classification

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

#### Controlled Product Classification

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

#### Human Health

Prolonged skin contact may cause redness, irritation and dry skin. Mild dermatitis, allergic skin rash.

#### Inhalation

Vapors may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

#### Ingestion

May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

#### Skin Contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

#### Eye Contact

May cause temporary eye irritation.

#### Medical Symptoms

High concentrations of vapors may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

**BGA - AQUEOUS STENCIL CLEANER****3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>2-AMINO-2-METHYLPROPANOL</b>		<b>1-5%</b>
<b>CAS No.: 124-68-5</b>	<b>EC No.: 204-709-8</b>	
GHS Classification Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Aquatic Chronic 3 - H412		
<b>D.I. WATER</b>		<b>90-100%</b>
<b>CAS No.: 7732-18-5</b>	<b>EC No.:</b>	
GHS Classification Not classified.		

**Composition Comments**

The Data Shown is in accordance with the latest EC Directives.

**4. FIRST-AID MEASURES****Description of first aid measures****General Information**

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Place unconscious person on the side in the recovery position and ensure breathing can take place. Perform artificial respiration if breathing has stopped.

**Inhalation**

Move into fresh air and keep at rest. If respiratory problems, artificial respiration/oxygen.

**Ingestion**

Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml). Consult a physician for specific advice.

**Skin Contact**

Remove contaminated clothes and rinse skin thoroughly with water.

**Eye Contact**

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Consult a physician for specific advice.

**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.

**Indication of any immediate medical attention and special treatment needed****Notes To The Physician**

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!

**5. FIRE-FIGHTING MEASURES**

**Flammability Limit - Lower(%)** N/A

**Flammability Limit - Upper(%)** N/A

**Extinguishing Media**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

**Specific Hazards**

Avoid contact with naked flames and hot surfaces as corrosive and toxic decomposition products can be formed.

## BGA - AQUEOUS STENCIL CLEANER

### Special Fire Fighting Procedures

Containers close to fire should be removed immediately or cooled with water.

### Protective Equipment For Fire-Fighters

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

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Warn everybody of potential hazards and evacuate if necessary. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level.

### Environmental Precautions

Contain spillages with sand, earth or any suitable adsorbent material. Avoid release to the environment.

### Spill Clean Up Methods

Large quantities should not be discharged into the drain but removed with absorbing material. Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities.

### Reference to other sections

For personal protection, see section 8.

## 7. HANDLING AND STORAGE

### Handling

Provide good ventilation. Avoid inhalation of vapors/spray and contact with skin and eyes.

### Storage

Store in tightly closed original container in a dry, cool and well-ventilated place.

### Storage Class

The product is non-combustible.

### Specific end use(s)

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Protective Equipment



### Engineering Measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

### Respiratory Equipment

Vapors are heavier than air and may travel along the floor and in the bottom of containers. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Self-contained breathing apparatus with full facepiece.

### Hand Protection

For prolonged or repeated skin contact use suitable protective gloves.

### Eye Protection

Wear approved, tight fitting safety glasses where splashing is probable. If risk of splashing, wear safety goggles or face shield.

### Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

### Hygiene Measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. When using do not eat, drink or smoke.

### Skin Protection

Wear apron or protective clothing in case of splashes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Clear liquid.

### Color

Colourless.

## BGA - AQUEOUS STENCIL CLEANER

<b>Odor</b>	Aromatic.
<b>Solubility</b>	Completely soluble in water
<b>Initial boiling point and boiling range</b>	97 C / 208 F
<b>Vapor density (air=1)</b>	>1
<b>Vapor pressure</b>	1.8 mm Hg
<b>Flammability Limit - Lower(%)</b>	N/A
<b>Flammability Limit - Upper(%)</b>	N/A
<b>Other Flammability</b>	
This product is not flammable.	
<b>Volatility Description</b>	Volatile
<b>Volatile By Vol. (%)</b>	100
<b>Volatile Organic Compound (VOC)</b>	1.39 lbs/gal

### 10. STABILITY AND REACTIVITY

#### Reactivity

No specific reactivity hazards associated with this product.

#### Stability

Stable under normal temperature conditions and recommended use.

#### Hazardous Polymerisation

Will not polymerise.

#### Conditions To Avoid

Avoid contact with naked flames and hot surfaces as corrosive and toxic decomposition products can be formed. Avoid contact with acids.

#### Materials To Avoid

Alkali metals. Acids - organic. Alkali earth metals. Non-metallic halogen. Acid anhydrides.

#### Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

### 11. TOXICOLOGICAL INFORMATION

#### Toxicological Information on Ingredients:

2-AMINO-2-METHYLPROPANOL (CAS: 124-68-5)

D.I. WATER (CAS: 7732-18-5)

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

There are no data on the ecotoxicity of this product.

#### Degradability

There are no data on the degradability of this product.

#### Bioaccumulative potential

No data available on bioaccumulation.

#### Mobility:

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

#### Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

#### Other adverse effects

None known.

### 13. DISPOSAL CONSIDERATIONS

#### Waste Management

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

#### Disposal Methods

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

### 14. TRANSPORT INFORMATION

#### General

Not regulated. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

## BGA - AQUEOUS STENCIL CLEANER

### Transport Labels

No transport warning sign required.

### Environmentally Hazardous Substance/Marine Pollutant

No.

### Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes

Not applicable. No information required.

## 15. REGULATORY INFORMATION

### Regulatory Status (US)

SECTION 313: This product is a toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and reauthorization Act of 1986 and 40 CFR Part 372. TSCA: The ingredients of this product are on the TSCA Inventory.

### Regulatory References

29 CFR 1910.1010 Federal Regulations (OSHA Standard).

### US Federal Regulations

#### SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

#### CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed.

#### SARA 313 Emission Reporting

None of the ingredients are listed.

#### CAA Accidental Release Prevention

None of the ingredients are listed.

#### FDA – Precursor Chemical

None of the ingredients are listed.

#### OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed.

#### California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed.

#### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

#### Massachusetts "Right To Know" List

The following ingredients are listed.

2-AMINO-2-METHYLPROPANOL

#### Rhode Island "Right To Know" List

None of the ingredients are listed.

#### Minnesota "Right To Know" List

None of the ingredients are listed.

#### New Jersey "Right To Know" List

The following ingredients are listed.

2-AMINO-2-METHYLPROPANOL

#### Pennsylvania "Right To Know" List

The following ingredients are listed.

2-AMINO-2-METHYLPROPANOL

### International Inventories

#### Canada – DSL/NDL

All ingredients are listed or exempt.

#### US - TSCA

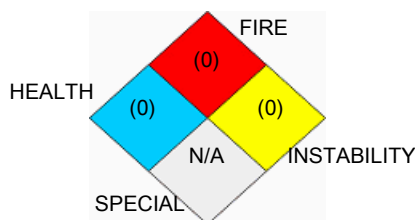
All ingredients are listed or exempt.

**BGA - AQUEOUS STENCIL CLEANER****US – TSCA 12(b) Export Notification**

None of the ingredients are listed.

**16. OTHER INFORMATION****HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

HEALTH	0
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	B

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)****Revision Comments**

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

**Revision Date** 08/28/2013**Revision** 7**Supersedes Date** 07/31/2013**Sds No.** BULK\_BGA**Material Safety Data Sheet Status** Approved.**Date** 28 August 2013**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.