



## SAFETY DATA SHEET

### BGA - AQUEOUS STENCIL CLEANER

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

#### 1. Identification

##### Product identifier

**Product name** BGA - AQUEOUS STENCIL CLEANER

**Product number** MCC-BGA, MCC-BGAG, MCC-BGAP, MCC-BGAD, MCC-BGAL, MCC-BGAGL, MCC-BGAGG

**Synonyms; trade names** "BGA STENCIL CLEANER"

##### Recommended use of the chemical and restrictions on use

**Application** Cleaning agent.

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

**Supplier** MICROCARE CORPORATION

**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

##### Emergency telephone number

**Emergency telephone** CHEMTREC 1-800-424-9300 (within the U.S.)  
+1 703-741-5970 (from anywhere in the world)

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**OSHA Regulatory Status** This Product is Not Hazardous under the OSHA Hazard Communication Standard.

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**Human health** Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Mild dermatitis, allergic skin rash.

##### Label elements

**Hazard statements** NC Not Classified

**Supplemental label information** Safety data sheet available on request. For use in industrial installations only.

##### Other hazards

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This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<b>2-AMINO-2-METHYLPROPANOL</b>	<b>1-5%</b>
CAS number: 124-68-5	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
Aquatic Chronic 3 - H412	

The full text for all hazard statements is displayed in Section 16.

**Composition comments** The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of CFR 1900.1200 TSCA: The ingredients of this product are on the TSCA Inventory.

#### Composition

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Place unconscious person on the side in the recovery position and ensure breathing can take place. If breathing stops, provide artificial respiration.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Consult a physician for specific advice.
<b>Skin Contact</b>	Remove contaminated clothing and rinse skin thoroughly with water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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 dependent on the concentration and the length of exposure.

#### Indication of immediate medical attention and special treatment needed

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

#### Special hazards arising from the substance or mixture

**Specific hazards** Keep away from heat, sparks and open flame. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapors. No unusual fire or explosion hazards noted.

#### Advice for firefighters

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**Protective actions during firefighting** Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. Accidental release measures

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

**Personal precautions** Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level.

#### Environmental precautions

**Environmental precautions** Contain spillage with sand, earth or other suitable non-combustible material. Avoid release to the environment.

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

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground. Contain and absorb spillage with sand, earth or other non-combustible material. Collect spillage with a shovel and broom, or similar and reuse, if possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Reference to other sections** For personal protection, see Section 8.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid inhalation of vapors/spray and contact with skin and eyes.

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

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

**Storage class** The product is non-combustible.

#### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

**Reference to other sections.** Store away from incompatible materials (see Section 10).

### 8. Exposure Controls/personal protection

#### Control parameters

#### Occupational exposure limits

**Additional Occupational Exposure Limits**

#### Exposure controls

#### Protective equipment



**Appropriate engineering controls** No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

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<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
<b>Other skin and body protection</b>	Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	Vapors are heavier than air and may travel along the floor and accumulate in the bottom of containers. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear self-contained breathing apparatus with full facepiece.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Aromatic.
<b>Odor threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	87°C/208°F @ 101.3 kPa
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: N/A Lower flammable/explosive limit: N/A
<b>Other flammability</b>	The product is not flammable.
<b>Vapor pressure</b>	0.24 kPa @ 20°C
<b>Vapor density</b>	>1
<b>Relative density</b>	0.77
<b>Bulk density</b>	No information available.
<b>Solubility(ies)</b>	Completely soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.

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<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	Not applicable.
<b>Refractive index</b>	No information available.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	Not applicable.
<b>Volatility</b>	100%
<b>Saturation concentration</b>	No information available.
<b>Critical temperature</b>	No information available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 1.39 lbs/gal.

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Will not polymerize.
<b>Conditions to avoid</b>	Keep away from heat, sparks and open flame. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapors. Avoid contact with acids.
<b>Materials to avoid</b>	Alkali metals. Acids - organic. Alkaline earth metals. Non-metallic halogen. Acid anhydrides.
<b>Hazardous decomposition products</b>	Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

### 11. Toxicological information

#### Information on toxicological effects

<b>Inhalation</b>	Vapors may irritate throat/respiratory system. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing.
<b>Ingestion</b>	May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.
<b>Skin Contact</b>	Product has a defatting effect on skin. May cause allergic contact eczema.
<b>Eye contact</b>	May cause temporary eye irritation.
<b>Medical Symptoms</b>	Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

### 12. Ecological Information

<b>Ecotoxicity</b>	There are no data on the ecotoxicity of this product.
<b><u>Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	There are no data on the degradability of this product.
<b><u>Bioaccumulative potential</u></b>	

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<b>Bio-Accumulative Potential</b>	No data available on bioaccumulation.
<b>Partition coefficient</b>	No information available.
<b><u>Mobility in soil</u></b>	
<b>Mobility</b>	The product contains substances which are water-soluble and may spread in water systems.
<b><u>Other adverse effects</u></b>	
<b>Other adverse effects</b>	None known.

### 13. Disposal considerations

#### Waste treatment methods

<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 14. Transport information

<b>General</b>	Not regulated. The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
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#### UN Number

No information required.

#### UN proper shipping name

No information required.

#### Transport hazard class(es)

No information required.

#### Transport labels

No transport warning sign required.

#### Packing group

No information required.

#### Environmental hazards

##### **Environmentally Hazardous Substance**

No.

#### Special precautions for user

No information required.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable. No information required.

### 15. Regulatory information

#### US Federal Regulations

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

Not listed.

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

Not listed.

### **SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

Not listed.

### **SARA 313 Emission Reporting**

Not listed.

### **CAA Accidental Release Prevention**

Not listed.

### **SARA (311/312) Hazard Categories**

None

### **OSHA Highly Hazardous Chemicals**

Not listed.

### **US State Regulations**

#### **California Proposition 65 Carcinogens and Reproductive Toxins**

Not listed.

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

Not listed.

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

Not listed.

#### **California Directors List of Hazardous Substances**

Not listed.

#### **Massachusetts "Right To Know" List**

*2-AMINO-2-METHYLPROPANOL*

Present.

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

Not listed.

#### **Minnesota "Right To Know" List**

Not listed.

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

*2-AMINO-2-METHYLPROPANOL*

Present.

#### **Pennsylvania "Right To Know" List**

*2-AMINO-2-METHYLPROPANOL*

Present.

### **Inventories**

#### **Canada - DSL/NDSL**

Yes

#### **US - TSCA**

Yes

**BGA - AQUEOUS STENCIL CLEANER****16. Other information**

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	4/13/2017
<b>Revision</b>	28
<b>Supersedes date</b>	2/14/2017
<b>SDS No.</b>	BULK - BGA
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.

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.