



## MATERIAL SAFETY DATA SHEET

### BGA STENCIL CLEANER

#### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	BGA STENCIL CLEANER	MANUFACTURER	MICROCARE CORPORATION
PRODUCT NO.	MCC-BGA, MCC-BGAG, MCC-BGAP, MCC-BGAD		595 John Downey Drive New Britain, CT 06019 United States of America CAGE: OATV9 +1 860-827-0626 +1 860-827-8105 techsupport@microcare.com
EMERGENCY TELEPHONE	CHEMTREC (800) 424-9300		

#### 2 HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

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

##### HUMAN HEALTH

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

##### POTENTIAL HEALTH EFFECTS

##### 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.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
2-AMINO-2-METHYLPROPANOL	204-709-8	124-68-5	1-5%
D.I. WATER		7732-18-5	60-100%

##### COMPOSITION COMMENTS

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

#### 4 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.

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### 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.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

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

### SPECIAL FIRE FIGHTING PROCEDURES

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

### UNUSUAL FIRE & EXPLOSION HAZARDS

Closed containers can burst violently when heated, due to excess pressure build-up.

### SPECIFIC HAZARDS

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

### PROTECTIVE MEASURES IN FIRE

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

FLAMMABILITY LIMIT - LOWER(%)	N/A
FLAMMABILITY LIMIT - UPPER(%)	N/A

## 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.

## 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 cool, dry well-ventilated place.

### STORAGE CLASS

The product is non-combustible.

## 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.

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### 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	Colorless		
ODOR	Aromatic.		
VOLATILITY DESCRIPTION	Volatile.		
UDF Phrase 1	This product is not flammable.		
This product is not flammable.			
BOILING POINT (°C)	97 C / 208 F	VAPOR DENSITY (air=1)	>1
VAPOR PRESSURE	31.38 mbar	VOLATILE BY VOL. (%)	100

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

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

### HAZARDOUS POLYMERISATION

Will not polymerize.

### 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

Name	2-AMINO-2-METHYLPROPANOL
Name	D.I. WATER

## 12 ECOLOGICAL INFORMATION

Name	2-AMINO-2-METHYLPROPANOL
	D.I. WATER

## 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

TRANSPORT NOTES	Not regulated. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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## 15 REGULATORY INFORMATION

## BGA STENCIL CLEANER

**INVENTORIES**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
D.I. WATER	DSL	Yes						

COMPONENT	TSCA 12(b) Export Notification
D.I. WATER	No

**US FEDERAL REGULATIONS**

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
D.I. WATER	Not Listed	Not Listed	N/A

**CLEAN AIR ACT**

COMPONENT	CAA Accidental Release Prevention
D.I. WATER	Not Listed

**US STATE REGULATIONS**

COMPONENT	FDA ESSENTIAL CHEMICAL	FDA PRECURSOR
D.I. WATER	No	

**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).

**CONTROLLED PRODUCT CLASSIFICATION**

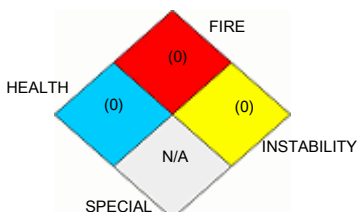
WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

### 16 OTHER INFORMATION

**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

HEALTH	0
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	supervisor fr

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)**



**REVISION COMMENTS**

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

**REVISION DATE** 29/05/2009

**VERSION No.** 1

**SAFETY DATA SHEET STATUS**

Approved.

**DATE** May 27, 2009

## **BGA STENCIL CLEANER**

### 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.