SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: CureCoat® Concrete Cleaner & Degreaser No. C-100
Product Code: C100
MSDS Manufacturer Number: C100
Manufacturer Name: Masterchem Industries LLC
Address: 3135 Old Highway M
Imperial, MO 63052-2834
General Phone Number: (636) 942-2510
General Fax Number: (636) 942-3663
Customer Service Phone Number: (800) 325-3552
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Creation Date: April 08, 2005
MSDS Revision Date: May 09, 2007
MSDS Format: According to ANSI Z400.1-2004

NFPA
Health Hazard 3
Fire Hazard 1
Reactivity 2
Personal Protection x
* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Ingredient Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium citrate</td>
<td>68-04-2</td>
<td>1-5 by weight</td>
</tr>
<tr>
<td>Non-hazardous ingredients</td>
<td></td>
<td>60-100 by weight</td>
</tr>
<tr>
<td>Nonionic component</td>
<td>Proprietary</td>
<td>1-5 by weight</td>
</tr>
<tr>
<td>Proprietary ethoxylated alcohols</td>
<td>Proprietary</td>
<td>1-5 by weight</td>
</tr>
<tr>
<td>Silicic acid, disodium salt; Disodium trioxosilicate; Sodium metasilicate</td>
<td>6834-92-0</td>
<td>1-5 by weight</td>
</tr>
<tr>
<td>Tetrasodium salt of ethylenediaminetetraacetic acid</td>
<td>64-02-8</td>
<td>1-5 by weight</td>
</tr>
</tbody>
</table>

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Corrosive. Irritant.

Potential Health Effects:

Eye: Corrosive. Will cause eye burns and permanent tissue damage.
Skin: Severely irritating; may cause permanent skin damage.
Inhalation: May cause severe respiratory system irritation.
Ingestion: Harmful if swallowed. Corrosive to the gastrointestinal tract.

Chronic Health Effects: Prolonged skin contact causes burns. Repeated or prolonged inhalation may cause toxic effects.

Signs/Symptoms: Depending on solution concentration, material may be corrosive to skin, mucous membranes and eyes. Vapors may cause respiratory irritation.


Aggravation of Pre-Existing Conditions: May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.

Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
**Other First Aid:** Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

### SECTION 5 - FIRE FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Flash Point:</th>
<th>No Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing Media:</td>
<td>Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.</td>
</tr>
<tr>
<td>Protective Equipment:</td>
<td>As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.</td>
</tr>
</tbody>
</table>

**NFPA Ratings:**

| NFPA Health: | 3 |
| NFPA Flammability: | 1 |
| NFPA Reactivity: | 2 |
| NFPA Other: | NA |

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

| Personnel Precautions: | Corrosive. Use proper personal protective equipment as listed in section 8. |
| Environmental Precautions: | Avoid runoff into storm sewers, ditches, and waterways. |
| Spill Cleanup Measures: | Neutralize residue with appropriate neutralizer. Do not attempt to neutralize large quantities of material unless measures to control reactivity and heat generation have been taken. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. |

### SECTION 7 - HANDLING and STORAGE

| Handling: | Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Corrosive. Use proper personal protective equipment as listed in section 8. |
| Storage: | Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use. |
| Hygiene Practices: | Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist. |

### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

| Engineering Controls: | Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment. |
| Eye/Face Protection: | Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. |
| Skin Protection Description: | Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. |
| Respiratory Protection: | A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. |
| Other Protective: | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. |

### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

| Physical State Appearance: | Liquid. |
Boiling Point: No Data
Melting Point: No Data
Density: 8 - 10 Lbs./gal.
Vapor Density: Greater than 1 (Air = 1).
\( \text{pH}: \) 12 to 14
Molecular Formula: Mixture
Molecular Weight: Mixture
Flash Point: No Data

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Hazardous Polymerization: Not reported.
Conditions to Avoid: Heat, flames, incompatible materials, freezing or temperatures below 32 deg. F.

SECTION 11 - TOXICOLOGICAL INFORMATION

**Sodium citrate**
RTECS Number: GEB300000
Carcinogenicity: Not listed in IARC, NTP, or OSHA

**Silicic acid, disodium salt; Disodium trioxosilicate; Sodium metasilicate**
Skin: Skin - Rabbit; Standard Draize test.: 250 mg/24H; severe. (RTECS)
Ingestion: Ingestion - Rat LD50: 1153 mg/kg; Gastrointestinal - Ulceration or bleeding from stomach Gastrointestinal - Ulceration or bleeding from duodenum Gastrointestinal - Ulceration or bleeding from small intestine. Ingestion - Mouse LD50: 770 mg/kg; Gastrointestinal - Ulceration or bleeding from stomach Gastrointestinal - Ulceration or bleeding from duodenum Gastrointestinal - Ulceration or bleeding from small intestine. (RTECS)

**Tetrasodium salt of ethylenediaminetetraacetic acid**
Eye: Eye - Rabbit; Standard Draize test.: 1900 ug; No effects reported.
Skin: Skin - Rabbit; Standard Draize test.: 500 mg/24H; Moderate. (RTECS)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Paint.
DOT UN Number: UN1263
DOT Hazard Class: 8
DOT Packing Group: III

SECTION 15 - REGULATORY INFORMATION

**Sodium citrate**
TSCA Inventory Status: Listed
Canada DSL: Listed
Silicic acid, disodium salt; Disodium trioxosilicate; Sodium metasilicate:
TSCA Inventory Status: Listed
Canada DSL: Listed
Tetrasodium salt of ethylenediaminetetraacetic acid:
TSCA Inventory Status: Listed
Canada DSL: Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 3
HMIS Fire Hazard: 1
HMIS Reactivity: 2
HMIS Personal Protection: x
MSDS Creation Date: April 08, 2005
MSDS Revision Date: May 09, 2007
MSDS Revision Notes: Quarterly Formula Updates.
MSDS Author: Actio Corporation

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in this Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

Trademark: The trademarks, service marks, graphics and logos used on this MSDS are registered or unregistered trademarks of BEHR Process Corporation. All Rights Reserved.

Copyright© 1996-2011 Actio Corporation. All Rights Reserved.