1. IDENTIFICATION

Product Identifier
Product Name Extra Heavy Duty Concrete Cleaner

Other Means of Identification
Product Code 060500

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Concrete and asphalt cleaner. For industrial use.

Details of the Supplier of the Safety Data Sheet
Midlab, Inc.
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number
Company Phone Number Phone: 1-423-337-3180
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Orange
Physical State Powder
Odor Pine

Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity- Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Signal Word
Danger

Hazard Statements
Harmful if swallowed.
Causes severe skin burns and eye damage.

Precautionary Statements - Prevention
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not eat, drink or smoke when using this product.

Precautionary Statements - Response
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/physician.
Specific treatment: Remove from exposure and treat symptoms.
Precautionary Statements - Storage
Store locked up.

Precautionary Statements - Disposal
Dispose of contents/container in accordance with local, regional, or national regulation.

Hazards Not Otherwise Classified (HNOC)
Can etch glass if not promptly removed.

Unknown Acute Toxicity
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate</td>
<td>6834-92-0</td>
<td>60-100</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>10-30</td>
</tr>
<tr>
<td>Alcohols, C9-11 ethoxylated</td>
<td>68439-46-3</td>
<td>1-5</td>
</tr>
</tbody>
</table>

*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact: Corrosive to eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician.

Skin Contact: Corrosive to skin. Flush skin with water for 15 minutes. Immediately call a POISON CENTER or doctor/physician.

Inhalation: Inhalation of dust is corrosive to respiratory tract. Remove victim to fresh air. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Rinse mouth and drink plenty of water. Do NOT induce vomiting unless directed to do so by a qualified medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects
Symptoms: Contact with skin and eyes is corrosive.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Carbon dioxide (CO2). Dry chemical. Foam.

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
None known.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protection recommended in Section 8.

Environmental Precautions Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Collect in a clean, dry waste container for disposal. Dispose of in accordance with federal, state and local regulations. Use a water rinse for final clean up.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing dust or fume. Use only in well-ventilated areas. Avoid contact with eyes and skin. Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

Incompatible Materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>6834-92-0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>-</td>
<td>15 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>497-19-8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls General ventilation sufficient.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Eye protection should be worn when splashing may occur.

Skin and Body Protection Wear suitable gloves when handling this product.

Respiratory Protection No protective equipment is needed under normal use conditions.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Powder</th>
<th>Odor</th>
<th>Odor Threshold</th>
<th>Pine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Orange</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Orange</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Pine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 10. STABILITY AND REACTIVITY

**Reactivity**
Not reactive under normal conditions.

**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Hazardous Polymerization**
Hazardous polymerization does not occur.

**Conditions to Avoid**
Keep out of reach of children.

**Incompatible Materials**
Generates heat when mixed with acid. May react with ammonium salt solutions resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc. Carbon monoxide gas may be produced on contact with reducing sugars.

**Hazardous Decomposition Products**
Thermal decomposition may result in the formation of carbon dioxide, hydrogen, and oxygen.

### 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

**Product Information**

**Eye Contact**
Causes eye burns.

**Skin Contact**
Causes skin burns.

**Inhalation**
Avoid breathing dust.

**Ingestion**
May be harmful if swallowed.
Chronic Effects
Excessive, long term contact may produce “soda ulcers” on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure. Risk of throat, nose bleeds and chronic bronchitis.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate 6834-92-0</td>
<td>= 600 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Carbonate 497-19-8</td>
<td>= 4090mg/kg (Rat)</td>
<td>2000mg/kg</td>
<td>800mg/m³ (Guinea Pig)</td>
</tr>
<tr>
<td>Alcohols, C9-11 ethoxylated 68439-46-3</td>
<td>= 1378 mg/kg (Rat)</td>
<td>&gt; 2 g/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

Symptoms
Please see section 4 of this SDS for symptoms.

Carcinogenicity
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity
Not determined

Unknown Acute Toxicity
None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate 6834-92-0</td>
<td>-</td>
<td>210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50</td>
<td>-</td>
<td>216: 96 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Sodium Carbonate 497-19-8</td>
<td>14mg/L (Phytoplankton 7d)</td>
<td>300-320mg/L (Bluegill 96hr)</td>
<td>-</td>
<td>265mg/L (Daphnia 45hr)</td>
</tr>
<tr>
<td>Alcohols, C9-11 ethoxylated 68439-46-3</td>
<td>-</td>
<td>8.5mg/L (96HR) Pimephales promelas</td>
<td>-</td>
<td>5.3 mg/L (48hr) Daphnia</td>
</tr>
</tbody>
</table>

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility
Not determined.

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION
Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
UN 3262, Corrosive Solid, Basic, Inorganic, NOS(Containing Sodium Metasilicate), 8, PG II

IATA

IMDG

15. REGULATORY INFORMATION

International Inventories
Not determined

US Federal Regulations

CERCLA
None listed.

SARA 311/312 Hazard Categories
Immediate (Acute) Health and Delayed (Chronic) Health.

SARA 313
Not determined

US State Regulations

U.S. State Right-to-Know Regulations
The following ingredients appear on various state right to know lists and/or California’s Proposition 65 list:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>State List</th>
</tr>
</thead>
<tbody>
<tr>
<td>AZ- Arizona Ambient Air Quality Guidelines</td>
<td>IL- Illinois Toxic Air Contaminant- Carcinogenic</td>
</tr>
<tr>
<td>CT- Connecticut Hazardous Air Pollutants</td>
<td>MA- Massachusetts Right to Know List</td>
</tr>
<tr>
<td>CA- California Director's List of Hazardous Substances</td>
<td>MN- Minnesota Hazardous Substances List</td>
</tr>
<tr>
<td>CAP65- California Prop65</td>
<td>NJ- New Jersey Right to Know List</td>
</tr>
<tr>
<td>FL- Florida Substances List</td>
<td>PA- Pennsylvania Right to Know List</td>
</tr>
<tr>
<td>ID- Idaho Non-Carcinogen Toxic Air Pollutants</td>
<td>RI- Rhode Island Hazardous Substances List</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

NFPA  Health Hazards  Flammability  Instability  Special Hazards
Not determined  Not determined  Not determined  Not determined

HMIS  Health Hazards  Flammability  Physical Hazards  Personal Protection
3  0  0  Not determined

Issue Date: 04-Dec-2012
Revision Date: 03-Feb-2014
Revision Note: New format Version 1.0

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet