1. Product and company identification

Product Name: MAGNA SCRUB

UN/ID No.: DOT (U.S.): Not regulated

Recommended use of the chemical and restrictions on use
Recommended Use: Water Base Cleaner

Supplier: Butler Chemicals, Inc.
3070 E. Ceena CT.
Anaheim, CA. 92806

Manufacturer: Allied International

Print date: Revised July 12, 2016

Responsible name: K.B.

In case of emergency: HEALTH EMERGENCIES — SPILL EMERGENCIES
CALL INFOTRAC 1(800) 535-5053

Product type: Mixture

2. Hazards identification

Appearance: Clear Blue  Physical State: Liquid  Odor: Mild Odor

Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity – Oral</td>
<td>Category 4</td>
<td>H302</td>
</tr>
<tr>
<td>Acute Toxicity – Inhalation</td>
<td>Category 4</td>
<td>H332</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
<td>H315</td>
</tr>
<tr>
<td>Serious eye irritation</td>
<td>Category 2A</td>
<td>H319</td>
</tr>
</tbody>
</table>

Signal Word: Warning

Hazard Statement
H302 +H312 + H332 Harmful if swallowed, in contact with skin or if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation

Carcinogen
No known chronic hazard, Not listed as a carcinogen
May be corrosive to metals
May be harmful to aquatic life

Precautionary Statements – Preventions
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements – Response
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 get medical attention.
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 person to fresh air. Give oxygen or CPR if not breathing. Get Medical Attention.
IF SWALLOWED: Harmful is swallowed, get medical attention immediately.

Precautionary Statements – Storage
Store in cool, dry, well ventilated area away from heat or Flame.

Precautionary Statements – Disposal
Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol monobutyl ether</td>
<td>111-76-2</td>
<td>4</td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. First aid measures

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediately call a POISON Center or doctor/physician.

Skin contact: If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical attention.

Inhalation: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON Center or doctor/physician.

Ingestion: If swallowed, call Physician or Poison Control Center for most current information. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induct vomiting or give liquids to someone who is unconscious, having convulsion, or unable to swallow. Seek immediate medical attention immediately.

Symptoms: Most important symptoms and effects: Causes severe skin irritation and eye irritation. May cause respiratory irritation. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, esophagus and stomach.

5. Fire-fighting measures

Flash point: N/A

Flammability of the product: None, material is not flammable

Extinguishing media: Foam, Water spray, Water, Carbon Dioxide (CO2), Dry Chemical

Non suitable extinguishing media: Not Determined

Specific Hazards Arising from the Chemical: Product reacts exothermically with water if exposed to extreme temperatures

Unusual Fire and Explosion Hazards: Toxic fumes may be emitted if material is exposed to extreme temperatures

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. Accidental release measures

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet.

**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological information. See Section 13, Disposal Considerations, for additional information.

**Methods for cleaning up**
- Pick up and transfer to property labeled container.
- Small spill: Pick up on absorbent material or flush away with water. Floor may be slippery when set.
- Large spill: Prevent further leakage or spillage. Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material. Absorb spilled liquid with suitable material such dirt or sand.

7. Handling and storage

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray.

**Storage**
- Keep container tightly closed and store in a cool, dry and well-ventilated place.
- Store locked up. Do not destroy or deface the label on container.

**Incompatible Materials**
- Strong mineral acids, Strong acids. Chemically reactive metals such as aluminum and magnesium.

8. Exposure controls/personal protection

**Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Controls**
- Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.

**Individual-protection measures, such as personal protective equipment**
- **Eye/Face Protection** Chemical anti-splash safety goggles.
- **Skin and Body Protection** Rubber gloves. Suitable protective clothing.
- **Respiratory Protection** Ensure adequate ventilation, especially in confined areas. In case in inadequate ventilation wear respiratory protection.
- **General Hygiene considerations** Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Mild Odor</td>
</tr>
<tr>
<td>Color</td>
<td>Clear Blue Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>12-13</td>
</tr>
<tr>
<td>Boiling/condensation point</td>
<td>212°F</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>55 mmHg @ 20°C. Approx. Water</td>
</tr>
<tr>
<td>Percent Volatile by weight:</td>
<td>90%</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>100%</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.0</td>
</tr>
</tbody>
</table>
10. Stability reactivity

<table>
<thead>
<tr>
<th>Stability</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous polymerization</td>
<td>Will not occur</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Keep away from heat or flame</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>Strong acids, strong oxidizing agents.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>If in a fire: CO, CO2, Hydrocarbons</td>
</tr>
</tbody>
</table>

11. Toxicological information

None known

12. Ecological information

Environmental effects:
Not Determined

13. Disposal considerations

Waste disposal:
The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contract with soil, waterways, drains and sewers.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

DOT (U.S.): Not regulated

15. Regulatory information

Not Determined

16. Other information

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

Indicates information that has changed from previously issued version.

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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 Hydroxide</td>
<td>Ceiling: 2 mg/m³</td>
<td>TWA: 2 mg/m³</td>
<td>IDLH: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>(vacated) Ceiling: 2 mg/m³</td>
<td></td>
<td>Ceiling: 2 mg/m³</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Controls  Apply technical measures to comply with the occupational exposure limits.  
Local exhaust ventilation recommended.  Eye wash stations. Showers.

Individual-protection measures, such as personal protective equipment

Eye/Face Protection  Chemical anti-splash safety goggles

Skin and Body Protection  Rubber gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection  Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Approved/certified dust respirator or equivalent.

General Hygiene considerations  Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Physical property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Liquid</td>
</tr>
<tr>
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<tr>
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<tr>
<td>pH</td>
<td>12-13</td>
</tr>
<tr>
<td>Boiling/condensation point</td>
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<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Solubility in water</td>
<td>100%</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.0</td>
</tr>
<tr>
<td>VOC</td>
<td>35.88 gr./liter</td>
</tr>
</tbody>
</table>

10. Stability reactivity

Stability  Stable under recommended storage conditions

Hazardous polymerization  Hazardous polymerization does not occur

Conditions to avoid  Excessive heat. Avoid direct sunlight. Avoid moisture

Materials to avoid  Strong mineral acids, Strong acids. Chemical reactive metals such as aluminum and magnesium. Dissolving product in water liberates much heat.

Hazardous decomposition products  None known based on information sheet.

11. Toxicological information

Information on likely routes of exposure

Eye Contact  Causes severe eye irritation

Skin Contact  Causes severe skin irritation

Inhalation  Harmful if inhaled
Ingestion

Harmful is swallowed

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>-</td>
<td>=1350 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>1310-73-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>=600 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on physical, chemical and toxicological effects

Symptoms

Please see section 4 of this SDS for symptoms

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity

Not classifiable as a human carcinogen.

Numerical Measures of Toxicity-Product

Not determined

Special Remarks on Toxicity to Animals: No data available
Special Remarks on Chronic Effects on Humans: No data available
Special Remarks on other Toxic Effects on Humans: No data available

12. Ecological information

Ecotoxicity

The LC50/96-hour values for fish are over 100 mg/l. This material is not expected to be toxic to aquatic life.

Component Information

<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>Glycol Ether EB</td>
<td></td>
<td>LC50 – other fish – 220 mg/l – 96 h</td>
<td>45.4: 96h Oncorhynchus mykiss mg/L LC50 Static</td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Hydroxide 1310-73-2</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></td>
</tr>
<tr>
<td>Sodium metasilicate 6834-92-0</td>
<td></td>
<td></td>
<td>216: 96 h Daphnia magna mg/L EC50</td>
<td></td>
</tr>
</tbody>
</table>

Persistence/Degrability

Not determined

Biopaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. Disposal considerations
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14. Transport information

DOT (U.S.): Not regulated

15. Regulatory information

International Inventories

Not determined

US Federal Regulations

This material, as supplied, contains one or more substances regulated as a hazardous substance under the comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caustic Soda</td>
<td>1000 lb</td>
<td></td>
<td>RQ 1000 lb final RQ</td>
</tr>
<tr>
<td>1310-73-2</td>
<td></td>
<td></td>
<td>RQ 454 kg final RQ</td>
</tr>
</tbody>
</table>

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1000 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>1310-73-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

US State Regulations

California Proposition 65

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):
This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity

16. Other information

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
</table>

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Magna Scrub
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End of Safety Data Sheet