SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier
Product name: PORCELAIN CLEANER CONCENTRATE
Product form: Liquid
Other means of identification: LB050

Relevant identified uses of the substance or mixture: Bathroom cleaner

Details of the supplier of the safety data sheet
Manufacturer: Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150
Phone: 816-472-5515
Emergency telephone number
Emergency number: CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification
Acute Toxicity, Oral (Category 4)
Skin irritation (Category 2),
Eye irritation (Category 2)
Specific target organ-single exposure (Category 3), Central nervous system.
Chronic aquatic toxicity (Category 3)

Pictogram:

Signal Word
Warning

Hazard Statements
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.

Precautionary Statements – Prevention
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release to the environment. 
Wear protective gloves/ eye protection/ face protection. 
Avoid breathing dust/fume/mist/vapor/spray. 
Use only in a well ventilated area.

**Precautionary Statements - Response**

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 irritation occurs.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Call a doctor/physician if you feel unwell. Rinse mouth. Take off contaminated clothing and wash before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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**Section III – Composition/Information on ingredients**

<table>
<thead>
<tr>
<th>Mixture</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td>5329-14-6</td>
<td>10-20</td>
</tr>
<tr>
<td>Ethylene glycol butyl ether</td>
<td>111-76-2</td>
<td>1-5</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>1-5</td>
</tr>
<tr>
<td>Nonylphenol, ethoxylated</td>
<td>127087-87-0</td>
<td>1-5</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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**Section IV – First Aid Measures**

**First Aid Measures**

**Inhalation**: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact**: 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 irritation persists.

**Ingestion**: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact**: Remove contaminated clothing, wash with plenty of soap and water. If skin irritation persists, call a physician.
Most Important Symptoms and Effects, both Acute and Delayed

**Symptoms**
May cause serious eye irritation with reddening and watering. May cause skin irritation.

**Indication of any Immediate Medical Attention and Special Treatment Needed**
No data available.

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**Section V – Fire Fighting Measures**

**Suitable Extinguishing Media**
Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**
Carbon oxides, Nitrogen oxides, sulphur oxides.

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

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**Section VI – Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Avoid dust formation. Avoid breathing dust/vapor/mist. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and Material for Containment and Cleaning Up**

Contain spillage and then pick up and arrange for disposal. Do not let product enter the drains. Keep in suitable, closed containers for disposal.

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**Section VII – Handling & Storage**

**Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.
Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td>5329-14-6</td>
<td>No limits established</td>
<td>No limits established</td>
<td>No limits established</td>
</tr>
<tr>
<td>Ethylene glycol butyl ether</td>
<td>111-76-2</td>
<td>20 ppm</td>
<td>50 ppm 240 mg/m³</td>
<td>5 ppm 24 mg/m³</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>200 ppm</td>
<td>400 ppm 980 mg/m³</td>
<td>500 ppm 1225 mg/m³</td>
</tr>
<tr>
<td>Nonylphenol, ethoxylated</td>
<td>127087-87-0</td>
<td>No limits established</td>
<td>No limits established</td>
<td>No limits established</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation for exposure control.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear NIOSH approved safety goggles or safety glasses with side shields.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

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

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Green</td>
</tr>
<tr>
<td>pH</td>
<td>0.25-1.5 at 20 °C (68 °F)</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 100 °C (&gt; 212 °F)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>N/A Liquid</td>
</tr>
<tr>
<td>Upper Flammable Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower Flammable Limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Vapor Pressure: No data available
Vapor Density: No data available
Specific Gravity: 1.05 g/cm³ at 25 °C (77 °F)
Water Solubility: Soluble
Partition Coefficient: No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Kinematic Viscosity: No data available
Dynamic Viscosity: No data available
Explosive Properties: Not an Explosive
Oxidizing Properties: No data available
Odor: Mint
Odor Threshold: No data available

**Section X – Stability & Reactivity**

**Reactivity**
No data available

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

**Possibility of Hazardous Reactions**
No data available

**Conditions to Avoid**
No data available

**Incompatible Materials**
Strong oxidizing agents, Strong bases.

**Hazardous Decomposition Products**
Carbon dioxide, carbon monoxide.

**Section XI - Toxicological information**

**Information on Likely Routes of Exposure**

**Product Information**

**Inhalation:** Avoid breathing Fumes/vapors/mist.

**Eye Contact:** Causes serious eye irritation

**Skin Contact:** Causes skin irritation.

**Ingestion:** Harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td>5329-14-6</td>
<td>=3,160 mg/kg(Rat)</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Ethylene glycol butyl ether</td>
<td>111-76-2</td>
<td>470 mg/kg (Rat)</td>
<td>220 mg/kg (Rabbit)</td>
<td>450 ppm (Rat) – 4 h</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>=5,045 mg/kg(Rat)</td>
<td>12,800 mg/kg(Rabbit)</td>
<td>16000 ppm(Rat) 8 h</td>
</tr>
<tr>
<td>Nonylphenol</td>
<td>127087-87-0</td>
<td>No data available</td>
<td>&gt;2000 mg/kg (Rabbit)</td>
<td>No data available</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Sulfamic Acid</td>
<td>Ethylene glycol butyl ether</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>---------------</td>
<td>-----------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Moderate skin irritation (rabbit)</td>
<td>Causes irritation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritiation</td>
<td>Moderate eye Irritation (rabbit)</td>
<td>Moderate irritation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
<td>No data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available</td>
<td>No data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classifiable</td>
<td>Not classifiable as to humans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data available</td>
<td>No data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity-</td>
<td>No data available</td>
<td>No data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single exposure</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity-</td>
<td>No data available</td>
<td>No data available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>repeated exposure</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No data available</td>
<td>No data available.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Isopropyl Alcohol</th>
<th>Nonylphenol, ethoxylated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Mild irritation (Rabbit)</td>
<td>Skin irritation</td>
</tr>
<tr>
<td>Serious eye damage/irritiation</td>
<td>Eye irritation (Rabbit) - 8 h</td>
<td>Serious eye damage</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
<td>Not a sensitizer</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available</td>
<td>Not Mutagenic</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classifiable</td>
<td>Not a carcinogen</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data available</td>
<td>No expected to cause.</td>
</tr>
<tr>
<td>Specific target organ toxicity-</td>
<td>Inhalation-Oral May cause drowsiness or dizziness.</td>
<td>Not classified</td>
</tr>
<tr>
<td>Single exposure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity-</td>
<td>No data available</td>
<td>Not classified.</td>
</tr>
<tr>
<td>repeated exposure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No data available</td>
<td>Not an aspiration hazard.</td>
</tr>
</tbody>
</table>

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity:** This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification.

**Numerical Measures of Toxicity:** Not determined

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**Section XII - Ecological information**

**Ecotoxicity**

There is no data available for this product as a whole.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td>5329-14-6</td>
<td>No data available</td>
<td>static test LC50 - Pimephales promelas (fathead minnow) - 70.3 mg/l - 96 h</td>
<td>No data available</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>EC50- Desmodesmus subspicatus (green algae) - &gt; 2,000 mg/l – 72 h</td>
<td>LC50-Pimephales promelas (fathead minnow)- 9,640 mg/l -96 h</td>
<td>Immobilization EC50- Daphnia magna (water flea) - 6,851 mg/l - 24 h</td>
</tr>
</tbody>
</table>

Page 6 of 8
**Persistence and Degradability**
No data available

**Bioaccumulation**
No data available.

**Mobility**
No data available.

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### Section XIII - Disposal considerations

**Waste Disposal Method**
Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

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### Section XIV - Transport information

**DOT Proper Shipping Description:**
**Bulk and Non-Bulk:** NA1760, Compounds, cleaning liquid, (Sulfamic Acid), 8, PG III

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### Section XV - Regulatory information

**SARA Title III Section 311/312 (40CFR370):** Acute, chronic health hazard
**SARA Title III Section 313 (40CFR372):** Two reportable component.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Weight %</th>
<th>SARA 313-Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>1-5</td>
<td>1.0</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>1-5</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**RCRA Status (40CFR261.33):** No reportable components.

**TSCA Inventory Status:** Reported/included

**OSHA/NTP/IARC Carcinogen Status:** Not listed

**Canadian DSL Status:** Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**
This material is known to contain chemicals currently listed as carcinogens or reproductive toxins. Ethylene oxide

**U.S. State Right-to-Know Regulations**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Cas#</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td>5329-14-6</td>
<td>X</td>
<td>No components</td>
<td>X</td>
</tr>
<tr>
<td>Ethylene glycol butyl ether</td>
<td>111-76-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
Section XVI - Other information

<table>
<thead>
<tr>
<th>Isopropyl Alcohol</th>
<th>67-63-0</th>
<th>X</th>
<th>X</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonylphenol, ethoxylated</td>
<td>127087-87-0</td>
<td>Ethylene oxide</td>
<td>Ethylene oxide</td>
<td>Ethylene oxide</td>
</tr>
</tbody>
</table>

**HMIS ratings:** Health: 3
Flammability: 1
Reactivity: 1

Indication of changes: Revsion – 1
Date Sheet Prepared: 06/03/2015  Other information: Author – EHS Administrator

******************************************************************************
The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty’s, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS