SAFETY DATA SHEET

1. Identification

Product identifier: BRULIN FLOOR NEUTRALIZER

Other means of identification:

- Product number: 121006
- Recommended use: Neutralizer
- Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer:

- Company name: Brulin & Company, Inc.
- Address: P.O. Box 270, Indianapolis, IN 46206, United States
- Telephone: Phone: 317-923-3211, Fax: 317-925-4596
- Website: www.Brulin.com
- Emergency phone number: CHEMTREC 1-800-424-9300

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards:

- Acute toxicity, oral: Not classified
- Acute toxicity, dermal: Not classified
- Skin corrosion/irritation: Not classified
- Serious eye damage/eye irritation: Category 2A

OSHA defined hazards: Not classified.

Label elements

Signal word: Warning

Hazard statement: Causes serious eye irritation.

Prevention: Wear safety glasses with side shields (or goggles). Wash hands thoroughly after handling.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage: Store away from incompatible materials. Do not freeze. Keep out of the reach of children.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None known.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric Acid</td>
<td>77-92-9</td>
<td>5 - &lt;10</td>
</tr>
</tbody>
</table>
4. First-aid measures

Eye contact  
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

Skin contact  
Wash off with soap and water. Get medical attention if irritation develops and persists.

Ingestion  
Rinse mouth. Get medical attention if symptoms occur.

Inhalation  
Move to fresh air. Call a physician if symptoms develop or persist.

Notes to physician  
Provide general supportive measures and treat symptomatically.

Most important symptoms/effects, acute and delayed  
Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

General information  
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media  
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media  
None known.

Specific hazards arising from the chemical  
During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters  
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures  
Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up  
Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling  
Wear appropriate personal protective equipment. Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Do not mix with other chemicals. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities  
Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep at temperatures between 4 and 49C. Keep out of the reach of children.

8. Exposure controls/personal protection

Appropriate engineering controls  
Provide eyewash station. Use general ventilation.

Individual protection measures, such as personal protective equipment  

Eye/face protection  
Wear safety glasses with side shields (or goggles).

Skin protection  
Hand protection  
Not normally needed. For prolonged or repeated skin contact use suitable protective gloves.

Respiratory protection  
No personal respiratory protective equipment normally required.

General hygiene considerations  
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
9. Physical and chemical properties

- **Appearance**: clear
- **Form**: Liquid.
- **Color**: light yellow
- **Odor**: mild citrus
- **Odor threshold**: Not available.
- **pH**: 1.8
- **Melting point/freezing point**: 32 °F (0 °C)
- **Boiling point**: 212 °F (100 °C)
- **Flash point**: None to boiling.
- **Evaporation rate**: Not available.
- **Flammability (solid, gas)**: Not available.

**Upper/lower flammability or explosive limits**

- **Flammability limit - lower (%)**: Not available.
- **Flammability limit - upper (%)**: Not available.

- **Vapor pressure**: Not available.
- **Vapor density**: Not available.

**Solubility(ies)**

- **Solubility (water)**: 100 %

- **Partition coefficient (n-octanol/water)**: Not available.

- **Auto-ignition temperature**: Not available.

- **Decomposition temperature**: Not available.

- **Viscosity**: Water-thin
- **Specific gravity**: 1.04
- **VOC (Weight %)**: 0 %

10. Stability and reactivity

- **Reactivity**: The product is stable and non-reactive under normal conditions of use, storage and transport.
- **Chemical stability**: Material is stable under normal conditions.
- **Possibility of hazardous reactions**: No dangerous reaction known under conditions of normal use.
- **Conditions to avoid**: Contact with incompatible materials. Do not freeze. Do not mix with other chemicals.
- **Incompatible materials**: Incompatible with bases. This product may react with reducing agents.
- **Hazardous decomposition products**: No hazardous decomposition products are known.

11. Toxicological information

**Toxicological data**

**Product** | **Test Results**
--- | ---
BRULIN FLOOR NEUTRALIZER (N/A) | Acute Dermal LD50 Rabbit: > 5000 mg/kg
| | Acute Oral LD50 Rat: > 5000 mg/kg

**Information on likely routes of exposure**

- **Eye contact**: Causes serious eye irritation.
- **Skin contact**: No adverse effects due to skin contact are expected.
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11. Toxicological information

Ingestion  Expected to be a low ingestion hazard.
Inhalation  No adverse effects due to inhalation are expected.
Symptoms related to the  Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and
physical, chemical and  blurred vision.
toxicological characteristics
Carcinogenicity  This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Reproductive toxicity  This product is not expected to cause reproductive or developmental effects.
Toxicological information  Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

Ecotoxicity  The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability  No data is available on the degradability of this product.
Bioaccumulative potential  No data available.
Other adverse effects  No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions  Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous waste code  The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products  Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging  Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT  Not regulated as dangerous goods.
IATA  Not regulated as dangerous goods.
IMDG  Not regulated as dangerous goods.

15. Regulatory information

US federal regulations  This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)  Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)  Not listed.
CERCLA (Superfund) reportable quantity  Not listed.
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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance - No
SARA 311/312 Hazardous chemical - No
SARA 313 (TRI reporting) - Not regulated.

Other federal regulations
- Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List - Not regulated.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) - Not regulated.
- Safe Drinking Water Act (SDWA) - Not regulated.

US state regulations
- US. Massachusetts RTK - Substance List - Not regulated.
- US. New Jersey Worker and Community Right-to-Know Act - Not regulated.
- US. Rhode Island RTK - Not regulated.
- US. California Proposition 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
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<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
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<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date: 04-08-2015
The information in the sheet was written based on the best knowledge and experience currently available. 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 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.