SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Code: BNRG1-BTC12
Product Name: Never-Seez Regular Grade Cmpd.
Pure substance/mixture: mixture

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use: Lubricants, greases, release products.
Uses Advised Against: No information available.

1.3. Details of the Supplier of the Safety Data Sheet

Company Name: Bostik (Shanghai) Management Co., Ltd
Building 1, No.968 Guanghua Road, Minhang District
Shanghai, China
Tel: 021-60763101
Fax: 021-60763133

Manufacturer: Bostik, Inc.
11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1 (800) 843-0844 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)
Fax: +1 (414) 774-8075
Email: msds@bostik-us.com

Please refer to Section 16 for local affiliate addresses.

1.4. Emergency Telephone Number

Emergency Telephone: 0532-8388 9090 (China only)

Email address: SDS.AP@Bostik.com

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Acute aquatic toxicity: Category 1 (9.1A)
Chronic aquatic toxicity: Category 1 (9.1A)
Classification in parenthesis is applicable for New Zealand Hazard Classification

ERMA Group: No information available

2.2. Label Elements

Signal Word: WARNING

Hazard Statements
H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention
P273 - Avoid release to the environment

Spill
P391 - Collect spillage

Precautionary Statements - Disposal
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards

2.4. Additional Information

No information available

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Not Applicable

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

*** Any remaining ingredients are not hazardous

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

**General Advice**

Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Eye Contact**

In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water.

**Self-protection of the First Aider**

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

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms**

None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to Physicians**

Treat symptomatically.

4.4. Reference to Other Sections

**Reference to Other Sections**

SECTION 8: Exposure Controls/Personal Protection. SECTION 11: Toxicological Information.

SECTION 5: Fire Fighting Measures

5.1. Extinguishing Media

**Suitable Extinguishing Media**

Dry chemical, CO2, water spray or regular foam. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Dike fire-control water for later
Suits should be worn. Wear suitable protective clothing. Protective clothing for the face should be used.

5.2. Special Hazards Arising from the Substance or Mixture

Specific Hazards Arising from the Chemical

Some may burn but none ignite readily. Those substances designated with a “P” may polymerize explosively when heated or involved in a fire. Some may be transported hot.

5.3. Advice for Firefighters

Special Protective Equipment for Fire-fighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Do not touch or walk through spilled material. Stop leak if you can do it without risk.

6.2. Environmental Precautions

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and Material for Containment and Cleaning up

Methods for Containment

Prevent dust cloud.

Methods for Cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Cover powder spill with plastic sheet or tarp to minimize spreading.

6.4. References to Other Sections

Reference to Other Sections

SECTION 7: Handling and Storage. SECTION 8: Exposure Controls/Personal Protection. SECTION 13: Disposal Considerations.

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

Advice on Safe Handling

Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

7.2. Conditions for Safe Storage, including any Incompatibilities

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place.

Incompatible Materials

No information available

7.3. Specific End Use(s)

Other Information

No information available.

7.4. References to Other Sections

Reference to Other Sections

SECTION 13: Disposal Considerations. SECTION 10: Stability and Reactivity.

SECTION 8: Exposure Controls/Personal Protection
8.1. Control Parameters

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>NIOSH IDLH</th>
<th>OSHA PEL</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper 7440-50-8</td>
<td>TWA: 0.2 mg/m³ fume and mist</td>
<td>IDLH: 100 mg/m³ dust, fume and mist</td>
<td>TWA: 0.1 mg/m³ fume and mist</td>
<td>-</td>
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<tr>
<td></td>
<td>TWA: 1 mg/m³ dust and mist</td>
<td>TWA: 1 mg/m³ dust and mist</td>
<td>TWA: 1 mg/m³ dust and mist</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.1 mg/m³ fume and mist</td>
<td>TWA: 1 mg/m³ dust and mist</td>
<td>TWA: 1 mg/m³ dust and mist</td>
<td>-</td>
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<tr>
<td>Zinc oxide 1314-13-2</td>
<td>STEL: 10 mg/m³ respirable fraction</td>
<td>TWA: 2 mg/m³ respirable fraction</td>
<td>IDLH: 500 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>TWA: 2 mg/m³ respirable fraction</td>
<td>TWA: 5 mg/m³ dust and fume</td>
<td>STEL: 10 mg/m³ fume</td>
<td>TWA: 5 mg/m³ fume and mist</td>
</tr>
<tr>
<td>Aluminum 7429-90-5</td>
<td>TWA: 1 mg/m³ respirable fraction</td>
<td>TWA: 10 mg/m³ total dust</td>
<td>TWA: 5 mg/m³ respirable dust TWA: 5 mg/m³ Al</td>
<td>TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction</td>
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<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Australia</th>
<th>China</th>
<th>Japan</th>
<th>Korea</th>
<th>New Zealand</th>
</tr>
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<tbody>
<tr>
<td>Copper 7440-50-8</td>
<td>1 mg/m³</td>
<td>0.2 mg/m³</td>
<td>TWA: 1 mg/m³ dust TWA: 0.2 mg/m³ fume STEL: 2.5 mg/m³ dust STEL: 0.6 mg/m³ fume</td>
<td>-</td>
<td>TWA: 0.2 mg/m³ TWA: 1 mg/m³ TWA: 0.1 mg/m³</td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td>10 mg/m³ STEL</td>
<td>TWA: 3 mg/m³ TWA: 5 mg/m³ STEL: 6 mg/m³</td>
<td>TWA: 4 mg/m³ TWA: 1 mg/m³ TWA: 2 mg/m³ TWA: 5 mg/m³</td>
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<tr>
<td>Aluminum 7429-90-5</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td>TWA: 3 mg/m³ total dust STEL: 6 mg/m³ total dust</td>
<td>TWA: 2 mg/m³ TWA: 0.5 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 5 mg/m³</td>
</tr>
</tbody>
</table>

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

Other Information No information available

8.2. Exposure Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment (PPE)

- **Eye/Face Protection**: Wear safety glasses with side shields (or goggles).
- **Skin and Body Protection**: Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
- **Hand Protection**: Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers. No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
- **Respiratory Protection**: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

Environmental Exposure Controls Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

SECTION 9: Physical and Chemical Properties
9.1. Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
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<tr>
<td>Appearance</td>
<td>Paste</td>
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</tr>
<tr>
<td>Color</td>
<td>Grey</td>
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<tr>
<td>Odor</td>
<td>Petroleum</td>
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<tr>
<td>Odor Threshold</td>
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<table>
<thead>
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<tr>
<td>Melting Point/Freezing Point</td>
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<tr>
<td>Boiling Point</td>
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<td>Flash Point</td>
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<td>Evaporation Rate</td>
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<td>Flammability (solid, gas)</td>
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<td>Flammability Limits in Air</td>
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<td>Upper Flammability Limits</td>
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<td>Lower Flammability Limit</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Vapor Density</td>
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<tr>
<td>Specific Gravity</td>
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<td>Water Solubility</td>
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<td>Solubility in Other Solvents</td>
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<td>Partition Coefficient</td>
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<td>Autoignition Temperature</td>
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<td>Decomposition Temperature</td>
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<td>Explosive Properties</td>
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<td>Oxidizing Properties</td>
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9.2. Other Information

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<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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<td>Softening Point</td>
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<td>Solvent Content (%)</td>
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</tr>
<tr>
<td>Solid Content (%)</td>
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<tr>
<td>Density</td>
<td>1.190 g/cm³</td>
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<tr>
<td>Bulk Density</td>
<td>No information available</td>
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</tbody>
</table>

SECTION 10: Stability and Reactivity

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical Stability

10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization None under normal processing.

10.4. Conditions to Avoid

Conditions to Avoid Heat, flames and sparks.

10.5. Incompatible Materials

Incompatible Materials No information available.

10.6. Hazardous Decomposition Products

Hazardous Decomposition None under normal use conditions.
SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

<table>
<thead>
<tr>
<th>Product Information</th>
<th>Acute Toxicity</th>
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</thead>
<tbody>
<tr>
<td>Inhalation</td>
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<tr>
<td>Eye Contact</td>
<td>No data available.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>No data available.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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

| Skin Corrosion/Irritation | No information available. |
| Serious Eye Damage/Eye Irritation | No information available. |
| Sensitization | No information available. |
| Germ Cell Mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive Toxicity | No information available. |
| STOT - Single Exposure | No information available. |
| STOT - Repeated Exposure | No information available. |
| Target Organ Effects | Central Vascular System (CVS), Eyes, Kidney, Liver, Respiratory system, Skin. |
| Aspiration Hazard | No information available. |
| Carcinogenicity | No information available. |

SECTION 12: Ecological Information

12.1. Toxicity

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/Aquatic Plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper 7440-50-8</td>
<td>EC50 72 h 0.0426 - 0.0535 mg/L (Pseudokirchneriella subcapitata) EC50 96 h 0.031 - 0.054 mg/L (Pseudokirchneriella subcapitata)</td>
<td>LC50 96 h 0.0068 - 0.0156 mg/L (Pimephales promelas) LC50 96 h &lt; 0.3 mg/L (Pimephales promelas static) LC50 96 h = 0.2 mg/L (Pimephales promelas flow-through) LC50 96 h = 0.052 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 1.25 mg/L (Lepomis macrochirus static) LC50 96 h = 0.3 mg/L (Cyprinus carpio semi-static) LC50 96 h = 0.8 mg/L (Cyprinus carpio static) LC50 96 h = 0.112 mg/L (Poecilia reticulata flow-through)</td>
<td>EC50 48 h = 0.03 mg/L (Daphnia magna Static)</td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>-</td>
<td>LC50 (96h) = 0.7 mg/L Fish (Danio rerio)</td>
<td>-</td>
</tr>
</tbody>
</table>

12.2. Persistence and Degradability

No information available.

12.3. Bioaccumulative Potential
Safety Data Sheet

BNRG1-BTC12
Never-Seez Regular Grade Cmpd.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Waste from Residues/Unused Products
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.

SECTION 14: Transport Information

IMDG

UN/ID No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.
Hazard Class: 9
Packing Group: III
EmS-No: F-A, S-F
Description: UN3077  Environmentally hazardous substance, solid, n.o.s.  (Copper, Zinc oxide), 9, III

IATA

UN/ID No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.
Hazard Class: 9
Packing Group: III
ERG Code: 9L
Description: UN3077  Environmentally hazardous substance, solid, n.o.s.  (Copper, Zinc oxide), 9, III

ADR

UN/ID No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.
Hazard Class: 9
Packing Group: III
Description: UN3077  Environmentally hazardous substance, solid, n.o.s.  (Copper, Zinc oxide), 9, III, (E)
Environmental Hazard: yes
Classification Code: M7
Tunnel Restriction Code: (E)

SECTION 15: Regulatory Information

International Regulations

International Inventories
### National Regulations

#### China
Not Applicable

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight-%</th>
<th>List of Dangerous Goods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>1 - 5</td>
<td>X</td>
</tr>
<tr>
<td>7429-90-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Japan
Not Applicable

#### Korea

**K-REACH/chemical control act(CCA)**
Not applicable

#### Legend

**X** - Present

#### Europe

**Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**
This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

**EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**
This product does not contain a substance(s) on the SVHC as proposed by ECHA above a concentration of 0.1 wt. %

### SECTION 16: Other Information

**Local Contacts**