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

<table>
<thead>
<tr>
<th>Acute aquatic toxicity</th>
<th>Category 1 (9.1A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 1 (9.1A)</td>
</tr>
</tbody>
</table>

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
Safety Data Sheet

BNRG1-BTC12
Never-Seez Regular Grade Cmpd.

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
Safety Data Sheet

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Never-Seez Regular Grade Cmpd.

Unsuitable Extinguishing Media
No information available.

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 TWA: 1 mg/m³ Cu dust and mist</td>
<td>IDLH: 100 mg/m³ dust, fume and mist IDLH: 100 mg/m³ Cu dust and mist TWA: 1 mg/m³ dust and mist TWA: 0.1 mg/m³ fume TWA: 1 mg/m³ Cu dust and mist</td>
<td>TWA: 0.1 mg/m³ fume TWA: 1 mg/m³ dust and mist</td>
<td></td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>STEL: 10 mg/m³ respirable fraction TWA: 2 mg/m³ respirable fraction</td>
<td>IDLH: 500 mg/m³ Ceiling: 15 mg/m³ dust TWA: 5 mg/m³ dust and fume STEL: 10 mg/m³ fume</td>
<td>TWA: 5 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction</td>
<td></td>
</tr>
<tr>
<td>Aluminum 7429-90-5</td>
<td>TWA: 1 mg/m³ respirable fraction TWA: 10 mg/m³ total dust 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>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Australia</th>
<th>China</th>
<th>Japan</th>
<th>Korea</th>
<th>New Zealand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper 7440-50-8</td>
<td>1 mg/m³ 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>STEL: 2 mg/m³ TWA: 1 mg/m³ TWA: 0.1 mg/m³</td>
<td>TWA: 0.2 mg/m³ TWA: 1 mg/m³</td>
</tr>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>10 mg/m³ 5 mg/m³ 10 mg/m³ STEL</td>
<td>TWA: 3 mg/m³ STEL: 5 mg/m³</td>
<td>TWA: 4 mg/m³ STEL: 10 mg/m³</td>
<td>TWA: 10 mg/m³ TWA: 5 mg/m³ STEL: 10 mg/m³</td>
<td>TWA: 5 mg/m³ TWA: 10 mg/m³ STEL: 5 mg/m³</td>
</tr>
<tr>
<td>Aluminum 7429-90-5</td>
<td>10 mg/m³ 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>
<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.

Respiratory Protection 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.

General Hygiene Considerations 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

| Physical State | Solid |
| Appearance     | Paste |
| Color          | Grey  |
| Odor           | Petroleum |
| Odor Threshold | No information available |

### Property | Values | Remarks • Method
--- | --- | ---
pH | No information available |
Melting Point/Freezing Point | No information available |
Boiling Point | No information available |
Flash Point | 246.1 °C / 475 °F |
Evaporation Rate | No information available |
Flammability (solid, gas) | No information available |
Flammability Limits in Air | No information available |
Upper Flammability Limit | No information available |
Lower Flammability Limit | No information available |
Vapor Pressure | No information available |
Vapor Density | No information available |
Specific Gravity | No information available |
Water Solubility | No information available |
Solubility in Other Solvents | No information available |
Partition Coefficient | No information available |
Autoignition Temperature | No information available |
Decomposition Temperature | No information available |
Kinematic Viscosity | No information available |
Dynamic Viscosity | No information available |
Explosive Properties | No information available |
Oxidizing Properties | No information available |

9.2. Other Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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</thead>
<tbody>
<tr>
<td>Softening Point</td>
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</tr>
<tr>
<td>Molecular Weight</td>
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</tr>
<tr>
<td>Solvent Content (%)</td>
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</tr>
<tr>
<td>Solid Content (%)</td>
<td>No information available 100.0</td>
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</tr>
<tr>
<td>Density</td>
<td>1.190 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No information available</td>
<td></td>
</tr>
</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
Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation
No data available.

Eye Contact
No data available.

Skin Contact
No data available.

Ingestion
No data available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</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) 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>
<td>LC50 (96h) = 0.7 mg/L Fish (Danio rerio)</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
No information available.

12.4. Mobility in Soil

No information available.

12.5. Results of PBT and vPvB Assessment

No information available.

12.6. Other Adverse Effects

No information available.

Endocrine Disruptor Information

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
Safety Data Sheet

BNRG1-BTC12
Never-Seez Regular Grade Cmpd.

Revision Date 05-Jun-2015
Supersedes Date: No information available
Version 4

<table>
<thead>
<tr>
<th>Legend:</th>
<th>TSCA - United States Toxic Substances Control Act Section 8(b) Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PICCS - Philippines Inventory of Chemicals and Chemical Substances</td>
</tr>
<tr>
<td></td>
<td>ENCS - Japan Existing and New Chemical Substances</td>
</tr>
<tr>
<td></td>
<td>IECSC - China Inventory of Existing Chemical Substances</td>
</tr>
<tr>
<td></td>
<td>AICS - Australian Inventory of Chemical Substances</td>
</tr>
<tr>
<td></td>
<td>KECL - Korean Existing and Evaluated Chemical Substances</td>
</tr>
<tr>
<td></td>
<td>NZIoC - New Zealand Inventory of Chemicals</td>
</tr>
</tbody>
</table>

National Regulations

China
Not Applicable

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

---

Never-Seez Regular Grade Cmpd.

TSCA | Listed
PICCS | Listed
ENCS | Not Listed
IECSC | Listed
AICS | Listed
KECL | Listed
NZIoC | Listed

Chemical Name | Weight-% | List of Dangerous Goods
--- | --- | ---
Aluminum 7429-90-5 | 1 - 5 | X

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