

**BNRG1-BTC12**  
Never-Seez Regular Grade Cmpd.

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

## 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 Guanghai Road, Minhang District  
Shanghai, China  
Tel: 021-60763101  
Fax: 021-60763133

#### **Manufacturer**

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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**

# Safety Data Sheet

BNRG1-BTC12  
Never-Seez Regular Grade Cmpd.

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

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

Chemical Name	CAS No	Weight-%
Copper	7440-50-8	5 - 10
Zinc oxide	1314-13-2	1 - 5
Aluminum	7429-90-5	1 - 5

\*\*\* Any remaining ingredients are not hazardous

## **SECTION 4: First Aid Measures**

### 4.1. Description of First Aid Measures

<b>General Advice</b>	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye Contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b>Self-protection of the First Aider</b>	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

BNRG1-BTC12  
Never-Seez Regular Grade Cmpd.

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

disposal.

**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**

# Safety Data Sheet

BNRG1-BTC12  
Never-Seez Regular Grade Cmpd.

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

## 8.1. Control Parameters

### Exposure Limits

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	European Union
Copper 7440-50-8	TWA: 0.2 mg/m <sup>3</sup> fume TWA: 1 mg/m <sup>3</sup> Cu dust and mist	IDLH: 100 mg/m <sup>3</sup> dust, fume and mist IDLH: 100 mg/m <sup>3</sup> Cu dust and mist TWA: 1 mg/m <sup>3</sup> dust and mist TWA: 0.1 mg/m <sup>3</sup> fume TWA: 1 mg/m <sup>3</sup> Cu dust and mist	TWA: 0.1 mg/m <sup>3</sup> fume TWA: 1 mg/m <sup>3</sup> dust and mist	-
Zinc oxide 1314-13-2	STEL: 10 mg/m <sup>3</sup> respirable fraction TWA: 2 mg/m <sup>3</sup> respirable fraction	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> dust TWA: 5 mg/m <sup>3</sup> dust and fume STEL: 10 mg/m <sup>3</sup> fume	TWA: 5 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	-
Aluminum 7429-90-5	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust TWA: 5 mg/m <sup>3</sup> Al	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	-

Chemical Name	Australia	China	Japan	Korea	New Zealand
Copper 7440-50-8	1 mg/m <sup>3</sup> 0.2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> dust TWA: 0.2 mg/m <sup>3</sup> fume STEL: 2.5 mg/m <sup>3</sup> dust STEL: 0.6 mg/m <sup>3</sup> fume	-	STEL: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>
Zinc oxide 1314-13-2	10 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> STEL	TWA: 3 mg/m <sup>3</sup> STEL: 5 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Aluminum 7429-90-5	10 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup> total dust STEL: 6 mg/m <sup>3</sup> total dust	TWA: 2 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>

**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)

<b>Eye/Face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
<b>Hand Protection</b>	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.
<b>Respiratory Protection</b>	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.
<b>General Hygiene Considerations</b>	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

# Safety Data Sheet

BNRG1-BTC12  
Never-Seez Regular Grade Cmpd.

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

## 9.1. Information on Basic Physical and Chemical Properties

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

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
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		
Upper Flammability Limits	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

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	No information available 100.0
Density	1.190 g/cm <sup>3</sup>
Bulk Density	No information available

## **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.

# Safety Data Sheet

BNRG1-BTC12  
Never-Seez Regular Grade Cmpd.

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

## Products

### SECTION 11: Toxicological Information

#### 11.1. Information on Toxicological Effects

##### Acute Toxicity

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Inhalation</b>	No data available.
<b>Eye Contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc oxide 1314-13-2	> 5000 mg/kg ( Rat )	-	-

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

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

### SECTION 12: Ecological Information

#### 12.1. Toxicity

##### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Copper 7440-50-8	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 < 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)	EC50 48 h = 0.03 mg/L (Daphnia magna Static)
Zinc oxide 1314-13-2	-	LC50 (96h) =0.7 mg/L Fish (Danio rerio)	-

#### 12.2. Persistence and Degradability

No information available.

#### 12.3. Bioaccumulative Potential

# Safety Data Sheet

BNRG1-BTC12  
Never-Seez Regular Grade Cmpd.

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

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

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

### IATA

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

### ADR

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

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

## Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
AICS - Australian Inventory of Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
NZIoC - New Zealand Inventory of Chemicals

## National Regulations

### China

Not Applicable

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

### 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

# Safety Data Sheet

**BNRG1-BTC12**  
**Never-Seez Regular Grade Cmpd.**

**Revision Date** 05-Jun-2015  
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**Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet**  
No information available

**Key Literature References and Sources for Data**  
No information available

<b>Prepared By</b>	Product Safety & Regulatory Affairs
<b>Revision Date</b>	05-Jun-2015
<b>Revision Note</b>	Not Applicable.
<b>Training Advice</b>	No information available
<b>Further Information</b>	No information available

## Disclaimer

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 given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

**End of Safety Data Sheet**