

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
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 Fax: +1 (414) 774-8075
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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

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

Note to Physicians	Treat symptomatically.
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4.4. Reference to Other Sections

Reference to Other Sections	SECTION 8: Exposure Controls/Personal Protection. SECTION 11: Toxicological Information.
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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
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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 ³ fume TWA: 1 mg/m ³ Cu dust and mist	IDLH: 100 mg/m ³ dust, fume and mist IDLH: 100 mg/m ³ Cu dust and mist TWA: 1 mg/m ³ dust and mist TWA: 0.1 mg/m ³ fume TWA: 1 mg/m ³ Cu dust and mist	TWA: 0.1 mg/m ³ fume TWA: 1 mg/m ³ dust and mist	-
Zinc oxide 1314-13-2	STEL: 10 mg/m ³ respirable fraction TWA: 2 mg/m ³ respirable fraction	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³ fume	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	-
Aluminum 7429-90-5	TWA: 1 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust TWA: 5 mg/m ³ Al	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	-

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

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

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

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		
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 ³
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

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.

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

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.

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

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
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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

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