

NEVER SEEZ FOOD GRADE
 Revision Number 6

Revision date 29-Aug-2019
 Supersedes Date: 19-Aug-2019

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name NEVER SEEZ FOOD GRADE
Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use lubricant.
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

See section 16 for more information.

1.4. Emergency telephone number

Emergency Telephone 0532-8388 9090 (China only)
E-mail address SDS.AP@Bostik.com

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Hazardous to the Aquatic Environment - Acute Hazard	Category 2 (9.1D)
Hazardous to the Aquatic Environment - Chronic Hazard	Category 2 (9.1B)

2.2. Label Elements



Hazard statements
 H411 - Toxic to aquatic life with long lasting effects

Prevention
 P273 - Avoid release to the environment

Spill
 P391 - Collect spillage

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

2.3. Other Hazards

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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical name	CAS No.	Weight-%
Zinc oxide	1314-13-2	5 - 10

*** Any remaining ingredients are not hazardous

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Call a POISON CENTER or doctor/physician. Remove and isolate contaminated clothing and shoes.
Inhalation	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
Skin contact	Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention.
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 and take precautions to protect themselves

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: TOXICOLOGY 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 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.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Wear self-contained breathing apparatus and protective suit.

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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. Avoid inhalation of asbestos dust.

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. Reference 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. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

General hygiene considerations Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Storage Conditions Keep in properly labeled containers. Keep/store only in original container. Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials No information available

7.3. Specific end use(s)

Specific Use(s) lubricant.

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

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Exposure Limits

Chemical name	China	Japan	Korea	New Zealand	Australia
Zinc oxide 1314-13-2	TWA: 3 mg/m ³ STEL: 5 mg/m ³	TWA: 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: 10 mg/m ³ TWA: 3 mg/m ³ STEL: 10 mg/m ³	10 mg/m ³ TWA 5 mg/m ³ TWA 10 mg/m ³ STEL

Chemical name	European Union	ACGIH TLV	NIOSH IDLH	OSHA PEL
Zinc oxide 1314-13-2	-	STEL: 10 mg/m ³ respirable particulate matter TWA: 2 mg/m ³ respirable particulate matter	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

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.

PPE - Personal Protection Equipment

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

Appearance	Solid
Color	White
Odor	No information available
Odor threshold	No information available

Property	Values	Remarks • Method
pH	Not applicable	No data available
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	> 216 °C	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable for liquids	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	

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Vapor pressure	No data available	
Vapor density	No data available	
Relative density	0.91 - 1.03	None known
Water solubility	Insoluble in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data 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	
Density		No information available
Bulk density	No information available	
VOC Content (%)	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 products None under normal use conditions.

Section 11: TOXICOLOGY 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 Based on available data, the classification criteria are not met.

Eye contact Based on available data, the classification criteria are not met.

Skin contact Based on available data, the classification criteria are not met.

Ingestion Based on available data, the classification criteria are not met.

Component Information

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Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc oxide 1314-13-2	>5000 mg/kg (Rattus)	LD50 >2000 mg/Kg (Rattus) (OECD 402)	LC50 (4h) >5.7 mg/l

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.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target organ effects	retina.
Aspiration hazard	No information available.
Carcinogenicity	No information available.

IARC (International Agency for Research on Cancer) *Group 3 - Not Classifiable as to Carcinogenicity in Humans*

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information

Toxic to aquatic life with long lasting effects.

Component Information

Data obtained on the component(s) include

Chemical name	Algae/aquatic plants	Fish	Crustacea
Zinc oxide 1314-13-2	LC 50 (72Hr) 0.136 mg/L	LC50 (96h) =0.7 mg/L (Danio rerio)	LC 50 (48Hr) =0.5 mg/l (Ceriodaphnia dubia)

12.2. Persistence and degradability

No information available.

Component Information

Zinc oxide (1314-13-2)

Method	Exposure time	Value	Results
			The methods for determining biodegradability are not applicable to inorganic substances

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical name	PBT and vPvB assessment

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Zinc oxide 1314-13-2	The substance is not PBT / vPvB PBT assessment does not apply
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12.6. Other adverse effects

No information available.

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 number	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Zinc oxide, Lead), Marine Pollutant
Transport hazard class(es)	9
Packing group	III
Marine Pollutant	P
EmS-No.	F-A, S-F
Special Provisions	274, 335, 966, 967, 969
Limited Quantity (LQ)	5 kg
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Zinc oxide, Lead), 9, III, Marine Pollutant

IATA

UN number	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Zinc oxide, Lead)
Transport hazard class(es)	9
Packing group	III
ERG Code	9L
Limited Quantity (LQ)	30 kg G
Special Provisions	A158, A179, A97, A197
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Zinc oxide, Lead), 9, III

ADR

UN Number	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Zinc oxide, Lead)
Transport hazard class(es)	9
Labels	9
Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Zinc oxide, Lead), 9, III
Environmental hazards	Yes
Limited Quantity (LQ)	5 kg
Special Provisions	274, 335, 601, 375
Classification Code	M7

Section 15: REGULATORY INFORMATION

X - Present

National Regulations

China

Not applicable

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Japan

Not applicable

Korea

Chemicals Control Act (CCA)

This product contains the following substance(s)

Chemical name	Weight-%	Toxic substance	Prohibited substance	Restricted substance	Chemicals Control Act (CCA) - Accident Precaution Chemicals	Existing substances subject to registration
Zinc oxide 1314-13-2	5 - 10					X

Industrial Safety and Health Law

Not applicable

Safety Control of Dangerous Substances Act

Not applicable

Korea - MOE - Waste Control Act - Hazardous Substances in Controlled Waste

Not applicable

International Regulations

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

SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 16: OTHER INFORMATION

Local Contacts

Bostik Korea, Ltd.
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124/1 & 124/2A

Kachanayakanahalli

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Key or legend to abbreviations and acronyms used in the safety data sheet

TWA (time-weighted average)
STEL (Short Term Exposure Limit)
LD50 (lethal dose)
EC50 (effective concentration)

Key Literature References and Sources for Data

No information available

Prepared By	Product Safety & Regulatory Affairs
Revision date	29-Aug-2019
Revision note	SDS sections updated, 1, 4, 5, 6, 7, 8, 9, 11, 12, 14, 15, 16.
Training Advice	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 a 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