



NEOGEN®

SAFETY DATA SHEET according to 29 CFR 1910.1200

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Prozap® Zinc Phosphide Tracking Powder

Revision 0
Revision date 2017-08-10

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Prozap® Zinc Phosphide Tracking Powder
Product code	112846

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

Description	Restricted use pesticide – rodenticide.
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1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Lesher Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1 800 234-5333
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Further information

Emergency Telephone Number	Hotline Number: 1-800-498-5743 (United States and Canada), 1-651-523-0318 (All other areas).
Manufactured By	HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316.
Registered By	HACCO, Inc.; a wholly owned subsidiary of Neogen Corporation.
EPA Registration No.	61282-101.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Water-react. 1: H260; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Water-react. 1: H260 - In contact with water releases flammable gases which may ignite

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2.2. Label elements

Precautionary Statement: Prevention	spontaneously. Acute Tox. 3: H301 - Toxic if swallowed. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
	P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment.
Precautionary Statement: Response	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/ .

2.3. Other hazards

Other hazards	May be harmful if inhaled.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Trizinc diphosphide	015-006-00-9	1314-84-7	215-244-5		10 - 20%	Water-react. 1: H260; Acute Tox. 2: H300; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Trizinc bis(orthophosphate)	030-011-00-6	7779-90-0	231-944-3		1 - 10%	Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Zinc oxide	030-013-00-7	1314-13-2	215-222-5		1 - 10%	Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing stops, provide artificial respiration. Cardiac, and circulatory stimulants can be given. Oxygen can be administered.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Seek medical attention.
Ingestion	Immediate medical attention is required. Transfer to hospital as soon as possible. DO NOT DRINK WATER. Do not administer anything by mouth or make the person vomit unless advised to do so by a doctor. Cardiac, and circulatory stimulants can be given. Sodium bicarbonate can be given orally to neutralize the stomach acidity. The stomach and intestinal tract can be evacuated. Probable mucosal damage may contraindicate the use of gastric lavage.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Harmful by inhalation.
Eye contact	Causes burns.
Skin contact	Highly toxic in contact with skin.
Ingestion	Highly toxic if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

	If you experience signs and symptoms such as nausea, abdominal pain, tightness in chest, or weakness, see a physician immediately.
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4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention.
Ingestion	Immediately call a Poison Control Center or doctor, or transport the patient to the nearest hospital.

Further information

NOTE TO PHYSICIAN OR VETERINARIAN	Contains the Phosphine-producing active, Zinc Phosphide. Probable mucosal damage may contraindicate the use of gastric lavage. For animals ingesting tracking powder and/or showing poisoning signs, induce vomiting by using hydrogen peroxide. Sodium bicarbonate can be given orally to neutralize the stomach acidity. The stomach and intestinal tract can be evacuated, oxygen administered and cardiac and circulatory stimulants given.
TREATMENT FOR PET POISONING	If animal ingests tracking powder, call a veterinarian at once.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Dry chemical. Sand. Do NOT use water.
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5.2. Special hazards arising from the substance or mixture

	In contact with water releases flammable gases which may ignite spontaneously. Water-react. 1: H260 - In contact with water releases flammable gases which may ignite spontaneously.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear: Protective equipment. Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	All handlers (including loaders and applicators) must wear: coveralls, over long-sleeved shirt, and long pants; chemical resistant footwear plus socks; waterproof gloves; when mixing, and loading or cleaning equipment, wear a chemical resistant apron. Avoid contact with skin and eyes. Do not breathe dust.
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6.2. Environmental precautions

	This product is extremely toxic to birds, fish and other wildlife. Wildlife that ingest tracking powder may be killed. Dogs, cats and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have contacted and/or eaten this tracking powder. Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains. Do not flush into surface water.
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6.3. Methods and material for containment and cleaning up

	Collect powder. Transfer to suitable, labelled containers for disposal. Dispose of in compliance with all local and national regulations.
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6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Keep out of reach of children, pets, and non-target animals. All handlers (including loaders and applicators) must wear: coveralls, over long-sleeved shirt, and long pants; chemical resistant
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7.1. Precautions for safe handling

	footwear plus socks; waterproof gloves; when mixing, and loading or cleaning equipment, wear a chemical resistant apron. Wash the outside of gloves before removing. Any person who retrieves carcasses or unused tracking powder following application of this product must wear waterproof gloves. Do not handle product near food, animal foodstuffs or drinking water. When using do not eat, drink or smoke.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep only in the original container in a cool, well-ventilated place. Keep out of reach of children, pets, and non-target animals. Keep away from food, drink and animal feedingstuffs.
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7.3. Specific end use(s)

	See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Values

Zinc oxide	ACGIH TLV TWA: 2 mg/m ³ (R) Notations: - OSHA PEL 8hr TWA mg m3: 15	ACGIH TLV STEL: 10 mg/m ³ (R) OSHA PEL 8hr TWA ppm: - Skin Designation: -
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DNEL: Derived no-effect level.

	No data is available on this product.
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Exposure Pattern - Workers

	No data is available on this product.
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Exposure Pattern - General population

	No data is available on this product.
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8.2. Exposure controls

Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	All handlers (including loaders and applicators) must wear: coveralls, over long-sleeved shirt, and long pants; chemical resistant footwear plus socks; waterproof gloves; when mixing, and loading or cleaning equipment, wear a chemical resistant apron.
Eye / face protection	Not normally required.
Skin protection - Hand protection	Waterproof gloves.
Skin protection - Other	Coveralls, over long-sleeved shirt, and long pants; chemical resistant footwear plus socks; when mixing, and loading or cleaning equipment, wear a chemical resistant apron.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	No data is available on this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Powder
Color	Dark grey
Odor	Pungent
Odour threshold	No data available
pH	No data available
Melting point	Not applicable.
Freezing Point	Not applicable.
Boiling point	Not applicable.
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.83 (H ₂ O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	Not applicable.
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Not applicable.

9.2. Other information

Conductivity	Not applicable.
Surface tension	Not applicable.
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	Water-react. 1: H260 - In contact with water releases flammable gases which may ignite spontaneously.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Avoid contact with: Oxidizing agents.
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10.4. Conditions to avoid

	Avoid contact with water.
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10.5. Incompatible materials

	Acids. Oxidizing agents.
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10.6. Hazardous decomposition products

	Phosphine. Burning produces irritating, toxic and obnoxious fumes.
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11.1. Information on toxicological effects

Acute toxicity	Highly toxic if swallowed.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data is available on this product.

11.1.4. Toxicological information

Prozap® Zinc Phosphide Tracking Powder	Inhalation Rat LC50/4 h: 0.54 mg/L	
Trizinc bis(orthophosphate)	Dermal Rat LD50: >5000 mg/kg	
Trizinc diphosphide	Oral Rat LD50: 12 mg/kg	Dermal Rabbit LD50: 2000 mg/kg
Zinc oxide	Oral Mouse LD50: 7950 mg/kg	

SECTION 12: Ecological information

12.1. Toxicity

Trizinc bis(orthophosphate)	Fish LC50/96h: 0.0900 mg/l	
Zinc oxide	Daphnia EC50/48h: 0.0980 mg/l	Fish LC50/96h: 1.1000 mg/l

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Partition coefficient

	Prozap® Zinc Phosphide Tracking Powder No data available	Trizinc bis(orthophosphate) No data available
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12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

This product is extremely toxic to birds, fish, and other wildlife. May cause long-term adverse effects in the environment.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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General information

	Contact a licensed waste disposal company.
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Disposal of packaging

	Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Dispose of in compliance with all local and national regulations.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN3134
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14.2. UN proper shipping name

	WATER-REACTIVE SOLID, TOXIC, N.O.S. (ZINC PHOSPHIDE)
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14.3. Transport hazard class(es)

DOT	4.3
Subsidiary risk	6.1
IMDG	4.3
Subsidiary risk	6.1
IATA	4.3
Subsidiary risk	6.1

14.4. Packing group

Packing group	I
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

14.6. Special precautions for user

	In contact with water releases flammable gases which may ignite spontaneously.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	No data available.
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DOT

Hazard ID	-
Tunnel Category	(E)

IMDG

EmS Code	F-G S-N
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IATA

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IATA

Packing Instruction (Cargo)	488
Maximum quantity	15 kg
Packing Instruction (Passenger)	FORBIDDEN
Maximum quantity	FORBIDDEN

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.
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15.2. Chemical safety assessment

	No data is available on this product.
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Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Trizinc diphosphide (Zinc phosphide (Zn ₃ P ₂))	Y	N	N	N	N	N	Y	Y 500	Y 100
Trizinc bis(orthophosphate) (Phosphoric acid, zinc salt (2:3))	Y	N	N	N	N	N	N	N	N
Zinc oxide (Zinc oxide (ZnO))	Y	N	N	N	N	N	N	N	N

Further information

FIFRA	This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
EPA Registration No.	61282-101.
FIFRA Signal Word	DANGER. POISON.
FIFRA Warning	Fatal if swallowed. Fatal if absorbed through skin. Causes skin burns. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing dust.

SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	EUH029 - Contact with water liberates toxic gas. EUH032 - Contact with acids liberates very toxic gas. Water-react. 1: H260 - In contact with water releases flammable gases which may ignite spontaneously. Acute Tox. 2: H300 - Fatal if swallowed. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
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General information

	HACCO, Inc. is a wholly owned subsidiary of Neogen Corporation. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. DISCLAIMER: The information and recommendations set forth herein ("Information") are presented
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General information

in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.

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