

SAFETY DATA SHEET
according to 29 CFR 1910.1200 and GHS

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Prozap® Zinc Phosphide Tracking Powder

Revision 0
Revision date 2017-10-23

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	Rodenticide. Restricted use. Ready to use.
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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


Hotline Number:	Medical: 1-800-498-5743 (United States and Canada) All other areas (1-651-523-0318). Spill: 1-800-424-9300 (United States and Canada) All other areas (1-703-527-3887).
Manufactured by:	HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316.
Registered By:	HACCO, Inc. is 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 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.

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2.2. Label elements

Precautionary Statement: Prevention	P223 - Do not allow contact with water. P231+P232 - Handle under inert gas. Protect from moisture. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/ .
Precautionary Statement: Storage	P402+P404 - Store in a dry place. Store in a closed container.

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;

Further information

	The exact percentage (concentration) of composition has been withheld as a trade secret.
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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. If breathing is difficult give oxygen. Cardiac, and circulatory stimulants can be given.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of.
Ingestion	Immediate medical attention is required. Transfer to hospital as soon as possible. DO NOT DRINK WATER. Do not administer anything by mouth. DO NOT INDUCE VOMITING unless advised to do so by a doctor.

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

Inhalation	Harmful by inhalation. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
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

Inhalation	If you experience signs and symptoms such as nausea, abdominal pain, tightness in chest, or weakness, see a physician immediately. Immediate medical attention is required.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention.

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

Ingestion	Immediate medical attention is required. Immediately call a POISON CENTER/doctor/ .
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. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus and protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with skin and eyes. Wear suitable protective clothing and eye/face protection. Wash hands after handling the product. Ensure adequate ventilation of the working area. Do not breathe dust. Avoid formation of dust. Keep public away from danger area. Keep upwind.
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6.2. Environmental precautions

	This product is extremely toxic to mammals, birds and other wildlife. Dogs, cats and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not allow bait to be exposed on soil surface. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment wash water or rinsate.
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6.3. Methods and material for containment and cleaning up

	Transfer to suitable, labelled containers for disposal. Avoid raising dust.
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6.4. Reference to other sections

	See section 2, 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. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Wear suitable protective clothing and eye/face protection. Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe dust. Do not eat, drink or smoke in areas where this product is used or stored. Take off immediately all contaminated clothing and wash it before reuse. Any person who retrieves carcasses or unused bait following application of this product must wear barrier laminate gloves. Wash the outside of gloves before removing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed. Store in correctly labelled containers. Keep only in the original container in a cool, well-ventilated place. Keep out of reach of children, pets, and non-target
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7.2. Conditions for safe storage, including any incompatibilities

animals. Keep away from food, drink and animal feed and/ or feed products.

7.3. Specific end use(s)

See section 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.

Exposure Limit Values

Zinc oxide	ACGIH TLV TWA: 2 mg/m ³ (R)	ACGIH TLV STEL: 10 mg/m ³ (R)
	Notations: -	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 15	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

8.2. Exposure controls



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.

Ensure adequate ventilation of the working area.

Appropriate engineering controls

Individual protection measures

Wear suitable protective clothing.

Eye / face protection

Wear:.. Approved safety goggles.

Skin protection - Hand protection

Wear:.. Chemical resistant gloves.

Skin protection - Other

Wear suitable protective clothing.

Respiratory protection

Wear:.. Suitable respiratory equipment.

Occupational exposure controls

Keep away from food, drink and animal feed and/ or feed products.

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	No data available
Freezing Point	No data available
Boiling point	No data available
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	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	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

	Oxidizing agents. Water.
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10.4. Conditions to avoid

	Avoid contact with: Water.
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10.5. Incompatible materials

	Oxidizing agents. Water.
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10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Toxic if swallowed.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	No data available.

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11.1. Information on toxicological effects

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 available.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological information

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

	No data available
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12.2. Persistence and degradability

	No data available.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	Prozap® Zinc Phosphide Tracking Powder No data available
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12.4. Mobility in soil

	No data available.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Contact a licensed waste disposal company.
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Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

Hazard pictograms

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Hazard pictograms



14.1. UN number

UN3134

14.2. UN proper shipping name

WATER-REACTIVE SOLID, TOXIC, N.O.S. (ZINC PHOSPHIDE)

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	II
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

DOT

Hazard ID	462
Tunnel Category	(D/E)

IMDG

EmS Code	F-G S-N
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IATA

Packing Instruction (Cargo)	490
Maximum quantity	50 kg
Packing Instruction (Passenger)	483
Maximum quantity	15 kg

SECTION 15: Regulatory information

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

Regulations	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p>
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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	<p>US State Regulations:</p> <p>New Jersey Right-to-Know Hazardous Substance List: Zinc Phosphide: Y</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Zinc Phosphide: Y.</p>
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15.2. Chemical safety assessment

	No data available.
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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	<p>EUH029 - Contact with water liberates toxic gas.</p> <p>EUH032 - Contact with acids liberates very toxic gas.</p> <p>Water-react. 1: H260 - In contact with water releases flammable gases which may ignite spontaneously.</p> <p>Acute Tox. 2: H300 - Fatal if swallowed.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>
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Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented 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.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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