



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/9

Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

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

1.1. Product identifier

Product name	Prozap® Zinc Phosphide Pellets
Product code	0077140, 0077240, 0283390, 0283490

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Rodenticide. Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshar 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

Manufactured By:	HACCO, Inc. 110 Hopkins Dr. Randolph, WI 53956-1316 U.S.A.
Hotline(s):	HACCO, Inc. is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.2. Classification - GHS	Acute Tox. 4: H302; Carc. 1A: H350; STOT RE 2: H373; Aquatic Acute 1: H400; Aquatic Chronic 3: H412;
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2.2. Label elements

Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Carc. 1A: H350 - May cause cancer . STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do no eat, drink or smoke when using this product. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P308+P313 - IF exposed or concerned: Get medical advice/attention. P314 - Get medical advice/attention if you feel unwell. P330 - Rinse mouth. P391 - Collect spillage.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

2.3. Other hazards

Other hazards	No data is available on this product.
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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
Bentonite		1302-78-9			1 - 10%	Carc. 1A: H350; STOT RE 1: H372;
Trizinc diphosphide	015-006-00-9	1314-84-7	215-244-5		1 - 10%	Water-react. 1: H260; Acute Tox. 2: H300; 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	Move the exposed person to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult give oxygen.
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Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

4.1. Description of first aid measures

Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING unless advised to do so by a doctor. DO NOT DRINK WATER. Do not administer anything by mouth.

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

Inhalation	Coughing, difficulty in breathing and in severe cases, loss of consciousness.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Toxic if swallowed.

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

Inhalation	Immediate medical attention is required.
Eye contact	Immediate medical attention is required.
Skin contact	Immediate medical attention is required.
Ingestion	Immediate medical attention is required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Alcohol resistant foam. Carbon dioxide (CO ₂). Dry chemical. Do NOT use water jet.
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5.2. Special hazards arising from the substance or mixture

	Contact with water liberates toxic gas. Burning produces irritating, toxic and obnoxious fumes. Do NOT use water jet. Do not allow runoff water to enter sewers or drains.
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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

	All handlers (including applicators) must wear long-sleeved shirt and barrier laminate gloves. Wear suitable protective clothing and eye/face protection. Avoid contact with skin and eyes. 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

	Do not allow product to enter drains. Prevent further spillage if safe.
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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

	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. Wear suitable respiratory equipment when necessary. Do not
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Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

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

Sucrose	ACGIH TLV TWA: 10 mg/m ³	ACGIH TLV STEL: -
	Notations: A4	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



Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Wear suitable protective clothing.

Eye / face protection

Use as appropriate: Suitable eye protection.

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

Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

9.1. Information on basic physical and chemical properties

State	Pellets
Color	Grey
Odor	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	Not applicable.
Boiling point	Not applicable.
Flash point	No data available
Flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Explosive properties	No data available
Oxidising properties	Not applicable.
Solubility	Slightly soluble in water

9.2. Other information

Bulk Density	5.39 g/cm ³
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	Contact with water liberates toxic gas.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Contact with water liberates toxic gas.
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10.4. Conditions to avoid

	Keep away from water. Keep in a cool place away from other chemicals.
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10.5. Incompatible materials

	No data available.
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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.

Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

11.1. Information on toxicological effects

Germ cell mutagenicity	No data available.
Carcinogenicity	May cause cancer. 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

Propylene glycol	Oral Rat LD50: 20000 mg/kg	Dermal Rabbit LD50: 20800 mg/kg
Trizinc diphosphide	Oral Rat LD50: 12 mg/kg	Dermal Rabbit LD50: 2000 mg/kg

SECTION 12: Ecological information

12.2. Persistence and degradability

	No data available.
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12.3. Bioaccumulative potential

	Does not bioaccumulate.
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Partition coefficient

	Prozap® Zinc Phosphide Pellets No data available	Sucrose 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

	This product is extremely toxic to birds, fish, and other wildlife. Do not apply to water.
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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

Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

Hazard pictograms



14.1. UN number

UN2588

14.2. UN proper shipping name

PESTICIDE, SOLID, TOXIC, N.O.S. (Zinc phosphide)

14.3. Transport hazard class(es)

DOT	6.1
Subsidiary risk	-
IMDG	6.1
Subsidiary risk	-
IATA	6.1
Subsidiary risk	-

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

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	60
Tunnel Category	(D/E)

IMDG

EmS Code	F-A S-A
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IATA

Packing Instruction (Cargo)	676
Maximum quantity	100 kg
Packing Instruction (Passenger)	669
Maximum quantity	25 kg

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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Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

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

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.

15.2. Chemical safety assessment

No data available.

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Propylene glycol (1,2-Propanediol)	Y	Y	N	N	N	N	N	N	N
Sucrose (.alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl)	Y	N	N	N	N	N	N	N	N
Trizinc diphosphide (Zinc phosphide (Zn ₃ P ₂))	Y	N	N	N	N	N	Y	Y 500	Y 100

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.
FIFRA Signal Word	CAUTION.
FIFRA Warning	Hazards to humans and domestic animals. Harmful if swallowed, or absorbed through skin or inhaled. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with eyes, skin or clothing.

SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	<p>Carc. 1A: H350 - May cause cancer .</p> <p>STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .</p> <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

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Prozap® Zinc Phosphide Pellets

Revision 0
Revision date 2018-10-16

Further information

	resulting from the use of this product.
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