

SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



Flexible shaft grease FT4

Product number 176

Revision date: 14/12/2016
Version: 4

Language: en-CA,US

Date of print: 14/3/2017
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1. Product and company identification

Product identifier

Trade name: Flexible shaft grease FT4
This safety data sheet pertains to the following products:
96004 Flexible shaft grease FT4 (86396004)

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

General use: Lubricating grease.
For industrial purposes only

Details of the supplier of the safety data sheet

Company name:	PFERD INC.	PFERD CANADA INC.
Street/POB-No.:	9201 W. Heather Ave.	5570 McAdam Road
Postal Code, city:	Milwaukee, WI 53224, USA	Mississauga, Ontario L4Z 1P1, Canada
WWW:	www.pferdusa.com	www.pferdusa.com
E-mail:	sales@pferdusa.com	sales@pferdcanada.ca
Telephone:	262-509-5614	(905) 501-1555
Telefax:	262-255-2840	(905) 501-1554
Dept. responsible for information:	1-800-342-9015	1-866-245-1555

Emergency phone number

USA/Canada: 1-800-255-3924

2. Hazards identification

Emergency overview

Appearance: Form: pasty
Color: beige
Odor: characteristic
Classification: Eye Irritation 2A;

Hazard symbols:



Signal word: **Warning**
Hazard statements: Causes serious eye irritation.

Precautionary statements:
Wash hands and face thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

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Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Special danger of slipping by leaking/spilling product.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Mineral oil

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 1266545-64-5	Polyurea	2.5 - 10 %	Aquatic toxicity - chronic 4.
CAS 4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	1 - 2.5 %	Eye Damage 1. Aquatic toxicity - chronic 2.

4. First aid measures

- In case of inhalation: Provide fresh air. Keep airway open. If unconscious and breathing is OK, place in the recovery position and seek medical advice.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

not applicable

Auto-ignition temperature: No data available

Suitable extinguishing media:

water mist, foam, Extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

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Specific hazards arising from the chemical

In case of fire may be liberated: nitrogen oxides (NO_x), sulphur oxides, Metallic oxides, Phosphorus oxides, Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus. Use personal protection equipment.

Additional information:

Cool exposed containers with water spray.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions:

Remove persons to safety. Avoid contact with skin and eyes. Wear personal protection equipment.

Provide adequate ventilation. Avoid breathing dust and vapours.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. In case of release, notify competent authorities.

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal.

Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid contact with skin and eyes. Wear appropriate protective equipment.

Avoid breathing dust and vapours. Do not eat, drink or smoke when using this product.

Wash hands and face before breaks and immediately after handling of the product.

Storage

Requirements for storerooms and containers:

Store in well closed containers in a cool, dry, well-ventilated area.

Store in original container only.

Protect from heat and direct sunlight.

Hints on joint storage:

Do not store together with food.

Keep away from oxidizing agents.

8. Exposure controls / personal protection

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection

Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection

Wear suitable protective clothing.

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Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: In case of development of vapors or dust:
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:

Avoid contact with skin and eyes.
Take off immediately all contaminated clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.
Work place should be equipped with a shower and an eye rinsing apparatus.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: pasty Color: beige
Odor:	characteristic
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	not applicable
Evaporation rate:	No data available
Flammability:	Combustible solids
Explosion limits:	No data available
Vapor pressure:	at 68 °F (20 °C): ≤ 0.001 hPa
Vapor density:	No data available
Density:	at 68 °F (20 °C): 0.9 g/cm^3
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

10. Stability and reactivity

Reactivity:	no data available
Chemical stability:	Product is stable under normal storage conditions.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid:	No data available

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Incompatible materials: Oxidising agent

Hazardous decomposition products:

No decomposition when used properly.

Thermal decomposition: No data available

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Rabbit: Not an irritant

Eye damage/irritation: Eye Irritation 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met. guinea pig Not known to cause sensitization. (OECD 406)

Skin sensitisation: Based on available data, the classification criteria are not met. guinea pig Not known to cause sensitization. (OECD 406)

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met. In vitro mutagenicity/genotoxicity: Ames test: negative (OECD 471).

In vivo mutagenicity/genotoxicity: Rat (female), Micronucleus test: negative.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Teratogenicity: Rat, female, NOAEL: 1,000 mg/kg

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met. Repeated dose toxicity: Rat, oral, NOAEL: 1,000 mg/kg (OECD 407)

Aspiration hazard: Based on available data, the classification criteria are not met.

Other information: Information about Polyurea:

LD50, Rat, oral: > 2000 mg/kg (OECD 401)

LD50, Rat, dermal: > 2000 mg/kg (OECD 402)

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):

LD50, Rat, oral: 3100 mg/kg (OECD 401)

LD50, Rat, dermal: > 5000 mg/kg (OECD 402)

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12. Ecological information

Ecotoxicity

Aquatic toxicity:

Information about Polyurea:

May cause long lasting harmful effects to aquatic life.

Algae toxicity:

EC50 *Desmodesmus subspicatus* (green algae): >100 mg/L/72 h (OECD 201)

Bacterial toxicity: EC50 >1000 mg/L/3 h (OECD 209)

Daphnia toxicity:

EC50 *Daphnia magna* (Big water flea): >100 mg/L/48 h (OECD 202)

Fish toxicity:

LC50 *Brachydanio rerio* (zebra-fish): >100 mg/L/96. (OECD 203)

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):

Toxic to aquatic life with long lasting effects.

Algae toxicity:

ErC50 *Desmodesmus subspicatus* (green algae): 240 mg/L/72 h (OECD 201)

Bacterial toxicity: EC50 380 mg/L/16 h

Daphnia toxicity:

EC50 *Daphnia magna* (Big water flea): 75 mg/L/48 h (OECD 202)

Fish toxicity:

LC50 *Oncorhynchus mykiss*: 4,4 mg/L/96. (OECD 203)

Mobility in soil

No data available

Persistence and degradability

Further details:

Information about Polyurea:

Biodegradation: 10%/28 d (OECD 301F).

Product is not readily biodegradable.

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):

Biodegradation: < 5% (OECD 301D).

Additional ecological information

General information:

Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation:

Do not dispose of with household waste.

Do not allow to enter into ground-water, surface water or drains.

Contaminated packaging

Recommendation:

Dispose of waste according to applicable legislation.

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14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - Canada

No data available

National regulations - U.S. Federal Regulations

All ingredients of this product are listed on the TSCA inventory.

16. Other information

Text for labeling: Contains 2.5 - 10 % Polyurea, 1 - 2.5 % Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate). Safety data sheet available on request.

Hazard rating systems: NFPA Hazard Rating:



Health: 1 (Slight)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 1: emergency phone number

Date of first version: 29/10/2015

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products.