

SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



Flexible shaft grease FT3

Product number 175

Revision date: 14/12/2016
Version: 3

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 FT3
This safety data sheet pertains to the following product:
96003 Flexible shaft grease FT3 (86396003)

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

General use: lubricants
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: light brown
Odor: like mineral oil
Classification: Sensitization - skin 1; Aquatic toxicity - chronic 3;

Hazard symbols:



Signal word:

Warning

Hazard statements:

May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

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Precautionary statements:

Avoid breathing dust.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water/soap.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of contents/container to hazardous or special waste collection point.

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

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Mineral-oil based lubricating grease containing bentonit as thickening agent

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 90-30-2	N-1-Naphthylaniline	< 0.5 %	Acute Toxicity 4 (oral). Sensitization - skin 1. Specific Target Organ Toxicity (Repeated Exposure) 2. Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.
CAS 7632-00-0	Sodium nitrite	< 0.5 %	Oxidizing Solid 3. Acute Toxicity 3 (oral). Aquatic toxicity - acute 1.
CAS 95-38-5	2-(2-Heptadec-8-enyl-2-imidazolin-1-yl) ethanol	< 0.25 %	Acute Toxicity 4 (oral). Skin Corrosion 1C. Specific Target Organ Toxicity (Repeated Exposure) 2. Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.

4. First aid measures

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.
Following skin contact: Remove residues with soap and water. 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. In case of eye irritation consult an ophthalmologist.
After swallowing: Seek medical treatment in case of troubles.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

Information to physician

Treat symptomatically.

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5. Fire fighting measures

Flash point/flash point range:

> 392 °F (200 °C) (ASTM D92)

Auto-ignition temperature: not self-igniting

Suitable extinguishing media:

water fog, Extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

Specific hazards arising from the chemical

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

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus.

Additional information: Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions: Avoid contact with skin and eyes. Wear personal protection equipment.
Provide adequate ventilation.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.
Inform the relevant authorities in case of leakage into sewers, aquatic environment or soil.

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.
Avoid contact with skin and eyes.

Storage

Requirements for storerooms and containers:

Store only in original container. Keep container tightly closed.
storage temperature: 32 °F (0 °C) up to 104 °F (40 °C)
Protect from heat and direct sunlight.
Average shelf life of mind. 3 years.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
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.

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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.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Nitrile rubber
Thickness: 0,3 mm
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Respiratory protection: Wear respiratory protection when in the presence of vapor, dust, and aerosols. 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.

9. Physical and chemical properties

Information on basic physical and chemical properties

- Appearance: Form: pasty
Color: light brown
- Odor: like mineral oil
Odor threshold: No data available
- pH value: No data available
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: > 572 °F (300 °C) (ASTM D86)
- Flash point/flash point range: > 392 °F (200 °C) (ASTM D92)
- Evaporation rate: No data available
- Flammability: No data available
- Explosion limits: No data available
- Vapor pressure: No data available
- Vapor density: No data available
- Density: at 68 °F (20 °C): 0.93 g/cm³ (ASTM D1217)
- Water solubility: insoluble
- Partition coefficient: n-octanol/water: No data available
- Auto-ignition temperature: not self-igniting
- Thermal decomposition: > 662 °F (350 °C)
- Explosive properties: Product is not explosive.
- Additional information: Penetration value: 270 - 290 mm/10 (25°C; ISO 2137)

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10. Stability and reactivity

- Reactivity: no data available
- Chemical stability: Product is stable under normal storage conditions.
- Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.
- Conditions to avoid: No data available
- Incompatible materials: Strong oxidizing agents
- Hazardous decomposition products:
In case of fire may be liberated: nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.
- Thermal decomposition: > 662 °F (350 °C)

11. Toxicological information

Toxicological tests

- Acute toxicity: LD50 Rat, oral: 2000 - 5000 mg/kg
LC50 Rat, inhalative: > 5100 mg/m³/4h
- 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): Based on available data, the classification criteria are not met.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
- Skin corrosion/irritation: Lack of data.
- Eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Sensitization - skin 1 = May cause an allergic skin reaction.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.
- Other information: Information about N-1-Naphthylaniline:
LD50, Rat, oral: 1625 mg/kg
- Information about 2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol:
LD50, Rat, oral: 1265 mg/kg (OECD 401)
LD50, Rabbit, dermal: > 2000 mg/kg (OECD 404)

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12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.
Information about N-1-Naphthylaniline:
Bacterial toxicity:
EC50 activated sludge: >10.000 mg/L/96h. (OECD 209)
Algae toxicity:
EC50 Desmodesmus subspicatus (green algae): >= 0,25 mg/L/72h (OECD 201)
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 0,32 mg/L/48 h. (OECD 202)
Fish toxicity:
LC50 Oncorhynchus mykiss: 0,44 mg/L/96 h. (OECD 203)

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

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 empty into drains.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.

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.

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15. Regulatory information

National regulations - Canada

No data available

National regulations - U.S. Federal Regulations

Product: All ingredients of this product are listed on the TSCA inventory.
Sodium nitrite: Clean Water Act:
Hazardous Substances: RQ 100 lbs.
Other Environmental Laws:
CERCLA: RQ 100 lbs.
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard

National regulations - U.S. State Regulations

Sodium nitrite: California Proposition 65 code: not listed
Delaware Air Quality Management List:
DRQ: 100 - RQ State: Federal Regulations Apply
Massachusetts Haz. Substance codes: F8
New Jersey RTK Hazardous Substance:
DOT: 1500 - Sub No.: 2258 - TPQ: -
New York List of Hazardous Substances:
RQ-Air: 100 - RQ-Land: 100 - Note: No Note Associated with this chemical.
Pennsylvania Haz. Substance code: E

16. Other information

Text for labeling: Contains < 0.5 % N-1-Naphthylaniline, < 0.5 % Sodium nitrite, < 0.25 % 2-(2-Heptadec-8-enyl-2-imidazolin-1-yl) ethanol. 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: 28/10/2015

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.