

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Diamond Polishing Pastes DPP

Product number 033

Revision date: May/2/2019
Version: 4

Language: en-US,CA

Date of print: Oct/8/2019
Page: 1 of 8

1. Product and company identification

Product identifier

Trade name: Diamond Polishing Pastes DPP
This safety data sheet pertains to the following products:
44240003 (48757 DIAM. POLISHING PASTE 3 GR (VF)SM)
44240007 (48755 DIAM. POLISHING PASTE 7 GR(FINE)S)
44240015 (48753 DIAM. POLISHING PASTE 15 GR (MED)S)
44240030 (48751 DIAM. POLISHING PASTE 30 GR (CRS)S)
44240103 (48756 DIAM. POLISHING PASTE 3 GR(VF)LG)
44240107 (48754 DIAM. POLISHING PASTE 7 GR (FINE)L)
44240115 (48752 DIAM. POLISHING PASTE 15GR(MED)L)
44240130 (48750 DIAM. POLISHING PASTE 30 GR(CRS)L)

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

General use: Polishing agent.
For industrial purposes only.

Details of the supplier of the safety data sheet

Company name:
PFERD INC.
Street/POB-No.: 9201 W. Heather Ave.
Postal Code, city: Milwaukee, WI 53224,
USA
WWW: www.pferdusa.com
E-mail: sales@pferdusa.com
Telephone: 1-800-342-9015
Telefax: 262-255-2840
Department responsible for information:
1-800-342-9015

PFERD CANADA INC.
Street/POB-No.: 5570 McAdam Road
Postal Code, city: Mississauga, Ontario L4Z 1P1,
Canada
WWW: www.pferdusa.com
E-mail: sales@pferdcanada.ca
Telephone: (905) 501-1555
Telefax: (905) 501-1554
Department responsible for information: 1-866-245-1555

Emergency phone number

USA/Canada: 1-800-255-3924

2. Hazards identification

Emergency overview

Appearance: Form: pasty
Color: white-gray
Odor: odorless
Classification: This material is classified as not hazardous.

Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and WHMIS in Canada.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Diamond Polishing Pastes DPP

Product number 033

Revision date: May/2/2019
Version: 4

Language: en-US,CA

Date of print: Oct/8/2019
Page: 2 of 8

Hazards not otherwise classified

The product can cause irritation of the eyes.
Frequently or prolonged contact with skin may cause dermal irritation.
Special danger of slipping by leaking/spilling product.
Can form a highly explosive mixture with air.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: mixture of polyethylene glycol and Diamond.

Additional information: Contains: polyethylene glycol. The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical attention.

Following skin contact: Remove residues with soap and water. Take off contaminated clothing and wash it before reuse. 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 and drink large quantities of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If you feel unwell, seek medical advice.

Most important symptoms/effects, acute and delayed

After contact with skin: May cause irritations.
After eye contact: May cause irritations.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

> 392 °F (200 °C)

Auto-ignition temperature: No data available

Suitable extinguishing media:

water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Diamond Polishing Pastes DPP

Product number 033

Revision date: May/2/2019
Version: 4

Language: en-US,CA

Date of print: Oct/8/2019
Page: 3 of 8

Additional information: Do not allow water used to extinguish fire to enter drains, ground or waterways.
Cool endangered containers with water jetspray.
Heating causes rise in pressure with risk of bursting.

6. Accidental release measures

Personal precautions: Do not breathe dust. Keep unprotected people away.
Keep away from sources of ignition.
Avoid contact with skin and eyes.
Provide adequate ventilation. Wear appropriate protective equipment.

Environmental precautions: Do not allow to penetrate into soil, waterbodies or drains.
In case of release, notify competent authorities.

Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.

Additional information: 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. Do not breathe dust.
Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion: Product is combustible. Can form a highly explosive mixture with air.
Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.

Storage

Requirements for storerooms and containers: Keep container dry, tightly closed and store at cool and aired place.
Recommended storage temperature: 5 - 30 °C
Keep only in original container.
Protect from heat and direct sunlight.

Hints on joint storage: Do not store together with food.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Diamond Polishing Pastes DPP

Product number 033

Revision date: May/2/2019
Version: 4

Language: en-US,CA

Date of print: Oct/8/2019
Page: 4 of 8

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

Type	Limit value
Canada, Alberta: OEL 8 hour	10 mg/m ³ (Dust limit value, inhalable fraction)
Canada, Alberta: OEL 8 hour	3 mg/m ³ (Dust limit value, respirable fraction)
Canada, BC: OEL TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
Canada, Ontario: OEL TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
Canada, Ontario: OEL TWA	3 mg/m ³ (Dust limit value, respirable fraction)
Canada, Québec: VEMP	10 mg/m ³ (Dust limit value, inhalable fraction)
USA: ACGIH: TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
USA: ACGIH: TWA	3 mg/m ³ (Dust limit value, respirable fraction)
USA: OSHA: TWA	15 mg/m ³ (Dust limit value, inhalable fraction)
USA: OSHA: TWA	5 mg/m ³ (Dust limit value, respirable fraction)

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.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Nitrile rubber
Layer thickness: 0.11 mm.
Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. In case of inadequate ventilation wear respiratory protection.

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.
Do not breathe dust. When using do not eat, drink or smoke.
Wash hands before breaks and after work.
Have eye wash bottle or eye rinse ready at work place.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Form: pasty
Color: white-gray

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Diamond Polishing Pastes DPP

Product number 033

Revision date: May/2/2019

Version: 4

Language: en-US,CA

Date of print: Oct/8/2019

Page: 5 of 8

Odor:	odorless
Odor threshold:	No data available
pH value:	at 68 °F (20 °C), 100 g/L: approx. 4 - 7
Melting point/freezing point:	86 - 140 °F (30 - 60 °C)
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	> 392 °F (200 °C)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	at 68 °F (20 °C): <= 0.1 hPa
Vapor density:	No data available
Density:	at 68 °F (20 °C): approx. 1.2 g/cm ³
Water solubility:	completely miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	approx. 680 °F (360 °C)
Explosive properties:	Can form a highly explosive mixture with air.
Ignition temperature:	> 608 °F (320 °C)

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Can form a highly explosive mixture with air. Reacts with strong oxidizing agents.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	carbon monoxide and carbon dioxide.
Thermal decomposition:	approx. 680 °F (360 °C)

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Diamond Polishing Pastes DPP

Product number 033

Revision date: May/2/2019
Version: 4

Language: en-US,CA

Date of print: Oct/8/2019
Page: 6 of 8

11. Toxicological information

Toxicological tests

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- 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.

Symptoms

After contact with skin: May cause irritations.
After eye contact: May cause irritations.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: moderately/partially biodegradable

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 drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Diamond Polishing Pastes DPP

Product number 033

Revision date: May/2/2019
Version: 4

Language: en-US,CA

Date of print: Oct/8/2019
Page: 7 of 8

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 - U.S. Federal Regulations

Polyethylene glycol: TSCA Inventory: listed; EPA flags XU
TSCA HPVC: not listed

Diamond: TSCA Inventory: listed
TSCA HPVC: not listed

National regulations - Canada

No data available

16. Other information

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: Sep/8/2015

Department issuing data sheet

Contact person: see section 1: Department responsible for information

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Diamond Polishing Pastes DPP

Product number 033

Revision date: May/2/2019
Version: 4

Language: en-US,CA

Date of print: Oct/8/2019
Page: 8 of 8

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.