



## SAFETY DATA SHEET

### Section 1: Identification

**Product Identifier:** Purus PURShield White Mineral Oil FM 70 and 90

**Product Code:** PPS77389, PPS57389, PPS17389, PPS27389, PPS77390, PPS57390, PPS17390, PPS27390

**Recommended use:** Industrial Lubricant

**Recommended Restrictions on use:** None known.

#### Manufacturer Information

**Name:** Xaerus Performance Fluids

**Address:** 2825 Schuette Road, Midland, MI. 48642

**FAX number:** 989-486-8383

**Emergency phone number:** 989-486-8330

### Section 2: Hazard(s) Identification

**GHS classification in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200)**

**Aspiration Hazard:** Category 1

**GHS Label elements**

**Signal word:** Hazard pictogram



**Hazard statements:**

H304: May be fatal if swallowed and enters airways.



### Precautionary statements

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P405: Store locked up. P501: Dispose of contents and container in accordance with local regulations.

## Section 3: Composition/information on ingredients

### Hazardous Substance(s) or Complex Substance(s) required for disclosure

Name	CAS#	Concentration
White Mineral Oil	8042-47-5	> 95 %

## Section 4: First-aid measures

**Inhalation:** Move victim to fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**Skin contact:** Wash affected area with soap and water.

**Eye contact:** Flush eyes with water for at least 15 minutes. If irritation develops seek medical attention.

**Ingestion:** If swallowed and symptoms develop seek medical attention. Do not induce vomiting unless directed by physician or poison control.

**Most important symptoms/effects, acute and delayed:** Prolonged contact may result in mild skin irritation and drying and cracking. Effects of overexposure may include irritation of the digestive tract, irritation of the respiratory tract, nausea and diarrhea.

**Indication of immediate medical attention and special treatment needed:** If exposed and experiencing symptoms, seek medical attention and indicate materials involved.

## Section 5: Fire-fighting measures

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, foam and water spray.

**Unsuitable:** Straight streams of water.

**Specific hazards arising from the chemical:** If container is not properly cooled, it can rupture in the heat of a fire.



**Special protective equipment:** Self-contained breathing apparatus and protective clothing.

**Precautions for fire-fighters:** Low hazard, liquid can burn upon heating to elevated temperatures. Isolate immediate hazard area, keep unauthorized personnel out. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk.

## Section 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Wear appropriate protective equipment.

**Methods/materials for containments and clean-up:** Absorb the material with inert absorbent and dispose of in accordance with federal, state and local laws.

## Section 7: Handling and storage

**Precautions for safe handling:** Avoid inhalation of mists or vapors. Avoid prolonged or repeated contact with skin and eyes. Ensure adequate ventilation and wash hands after use.

**Conditions for safe storage:** Ground containers when transferring to avoid static discharge. Keep container closed.

**Incompatible materials:** Avoid contact with strong oxidizing agents.

## Section 8: Exposure controls/ personal protection

**Exposure limits/standards (Note: Exposure limits are not additive)**

Substance Name	CAS #	Limit / Standard			Basis
White Mineral Oil	8042-47-5	TWA (Mist)	5 mg/m3		OSHA Z-1

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

No biological limits allocated.

**Appropriate engineering controls:** Use good ventilation typically 10 air changes per minute should be used.



**Respiratory protection:** If vapor or mist is generated wear a NIOSH/MSA approved organic vapor/mist respirator.

**Eye protection:** Wear approved safety glasses with side shields or goggles.

**Skin protection:** Wear protective clothing and gloves to minimize exposure.

**General considerations:** Follow standard safe industrial chemical handling practices.

## Section 9: Physical and chemical properties

### Appearance

**Physical state:** Liquid

**Color:** Clear and bright

**Odor:** No odor / Mild petroleum

**Odor threshold:** Not available.

**pH:** Not available.

**Melting point/freezing point:** Not available.

**Initial boiling point/boiling point range:**

**Flashpoint:** >160°C ASTM D-92

**Evaporation rate:** Not available.

**Flammability (solid, gas):** Not available.

### Flammability limits

**Upper flammability limit:** Not available.

**Lower flammability limit:** Not available.

### Explosive limit

**Upper explosive limit:** Not available.

**Lower explosive limit:** Not available.

**Vapor pressure:** No data

**Vapor density:** >1



**Relative density:** 0.85 – 0.87

**Solubility in water:** Negligible

**Partition coefficient: n-octanol/water:** Not available.

**Auto-ignition temperature:** Not available.

**Decomposition temperature:** Not available.

**Viscosity:** 10 - 19 cST @40°C

## Section 10: Stability and reactivity

**Reactivity:** Stable under normal conditions of use.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** Polymerization is not known to occur.

**Conditions to avoid:** Avoid contact with incompatible materials and elevated temperatures.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Carbon oxides, nitrogen oxides, sulfur oxides, phosphorous and zinc oxides.

## Section 11: Toxicological information

### INFORMATION ON TOXICOLOGICAL EFFECTS

#### Information on likely routes of exposure

Eye contact  
Ingestion  
Inhalation  
Skin contact

#### Acute toxicity

Not classified due to lack of data.  
Product:

Acute oral toxicity: No data available

Acute inhalation toxicity: No data available

Acute dermal toxicity: No data available



Components:

**White mineral oil (petroleum):**

Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg,

Acute inhalation toxicity:

LC50 (Rat): > 5.2 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity:

LD50 (Rabbit): > 2,000 mg/kg

Skin corrosion/irritation

Not classified due to lack of data.

Serious eye damage/eye irritation

Not classified due to lack of data.

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

May be fatal if swallowed and enters airways.

## Section 12: Ecological information

The information given is based on data available for the material, the components of the material, and similar materials.

### ECOTOXICITY

Material -- Not expected to be harmful to aquatic organisms.

Material -- Not expected to demonstrate chronic toxicity to aquatic organisms.

**MOBILITY**

Material -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

**PERSISTENCE AND DEGRADABILITY****Biodegradation:**

No data available

**Hydrolysis:**

No data available

**Photolysis:**

No data available

### Section 13: Disposal considerations

**Waste disposal method:** Dispose of in accordance with all federal, state, and local laws.

**RCRA hazard class:** Not applicable

### Section 14: Transportation information

**DOT**

NOT REGULATED

**IATA**

NOT REGULATED

**IMDG**

NOT REGULATED

**Special precautions:** Carefully read and consider all recommendations of the SDS before handling.

**Transportation in bulk (Annex II of MARPOL73/78 and the IBC code):** Not applicable

### Section 15: Regulatory information

**US Federal regulations:** This product is not considered to be hazardous under OSHA.

**Inventory status(s):**

**TSCA (Toxic Substance Control Act):** All components of this product are listed or comply with TSCA. Any impurities are not required to be listed.



**CERCLA Hazardous Substance List:** None listed.

**SARA 311/ 312 hazardous chemical:** No

**Fire hazard:** No

**Reactive Hazard:** No

**Immediate hazard:** No

**Delayed hazard:** No

**SARA 313:** None listed.

**State regulations:** None listed.

**WHMIS:** Non-controlled.

#### Section 16: Other information, including date of preparation or last revision

**NFPA**

**HMIS® IV:**

**Health: 1**

**Health: 3**

**Flammability: 1**

**Flammability: 1**

**Instability: 0**

**Physical Hazard: 0**

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

**Preparation Date:** 01/01/2025

**Version number:** 2.0

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