



# SAFETY DATA SHEET

Issue Date 04-Nov-2015

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Version 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** FG BIOTECH PENETRATING LUBE

**Other means of identification**

**Product code:**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Lubricant.

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

Petrochem, Inc.  
333 North Randall Road  
St. Charles, Illinois 60174  
Phone: (630) 513-6350  
Fax: (630) 513-8324

**Emergency telephone number**

**Emergency Telephone**

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Aspiration toxicity

Category 1

**Label elements**

### EMERGENCY OVERVIEW

**Signal word**

Danger

**Hazard statements**

May be fatal if swallowed and enters airways



**Appearance** Oil

**Physical state** Liquid

**Odor** Mild

**Ingestion** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do not induce vomiting

**Precautionary Statements - Storage**  
Store locked up

**Precautionary Statements - Disposal**  
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**  
**Other information**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Components	CAS-No	Weight %	Trade Secret
Oil, Technical White Mineral	8042-47-5	10-40	*

**4. FIRST AID MEASURES**

**First aid measures**

**Eye contact:** Flush eye with water for 15 minutes. If symptoms persist, call a physician.

**Skin contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.

**Ingestion:** Do not induce vomiting. Risk of product entering the lungs on vomiting after ingestion. If conscious, drink plenty of water. Obtain medical attention.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:**

Use dry chemical, CO2, water spray or "alcohol" foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

**Specific hazards arising from the chemical**

In the event of fire, cool tanks with water spray.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Special protective equipment for firefighters:**

In the event of fire, wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Use personal protective equipment.

**Environmental precautions**

**Environmental precautions:** Prevent product from entering drains. Do not contaminate surface water.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Components	ACGIH TLV	OSHA (TWA mg/m <sup>3</sup> ):	IDLH:
Oil, Technical White Mineral - 8042-47-5	5 mg/m <sup>3</sup> (oil mist)	5 (oil mist)	

**Appropriate engineering controls**

**Engineering measures to reduce exposure:** Use only in area provided with appropriate exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Respiratory protection:** No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection:** Nitrile rubber Neoprene gloves

**Eye protection:** Safety glasses

**Skin and body protection:** Impervious clothing

**General Hygiene Considerations** Avoid contact with skin, eyes and clothing

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Liquid  
**Appearance** Oil                      **Odor** Mild                      **Color** Gold                      **Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	<u>pH</u>	<u>Not applicable</u>
<b>Melting point/freezing point</b>	No information available		<b>Boiling point / boiling range</b>	> 300 °C / 572 °F
<b>Flash point</b>	146 °C / 295 °F	Pensky-Martens Closed Cup (PMCC)	<b>Evaporation rate</b>	Approx. 0
<b>Flammability (solid, gas)</b>	No information available		<b>Flammability Limit in Air</b>	

<b>Upper flammability limit:</b>	No information available	<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	< 5 mmHg	<b>Vapor density</b>	< 1 (air = 1)
<b>Specific Gravity</b>	0.87-0.88	<b>Water solubility</b>	Insoluble in water
<b>Solubility in other solvents</b>	No information available	<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available	<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	14 cSt @ 40 ° C	<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		

**Other information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not applicable

**Chemical stability**

<b>Stability</b>	Stable under normal conditions
<b><u>Possibility of Hazardous Reactions</u></b>	
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.

**Conditions to avoid**

**Conditions to avoid** No special storage conditions required

**Hazardous Decomposition Products**

**Hazardous Decomposition Products** None under normal processing

**Incompatible materials**

**Incompatible materials** Oxidising agents

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin contact</b>	Substance does not generally irritate and is only mildly irritating to the skin.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Oil, Technical White Mineral - 8042-47-5	> 5000 mg/kg ( Rat )	-	= 2062 ppm ( Rat ) 4 h

**Information on toxicological effects**

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No sensitization responses were observed.
<b>Mutagenic effects:</b>	Did not show mutagenic or teratogenic effects in animal experiments.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards.
<b>STOT - Single Exposure</b>	None under normal use conditions.
<b>STOT - Repeated Exposure</b>	None under normal use conditions.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	16516 mg/kg
<b>ATEmix (dermal)</b>	6607 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

No known hazards to the aquatic environment.

Oil, Technical White Mineral - 8042-47-5	
<b>Algae/aquatic plants</b>	-
<b>Fish</b>	10000: 96 h Lepomis macrochirus mg/L LC50
<b>Crustacea</b>	-

**Persistence and degradability**

Readily biodegradable ( > 60% % after 28 days).

**Bioaccumulation**

No information available.

**Mobility**

The product is insoluble and floats on water.

Components	Partition coefficient
Oil, Technical White Mineral - 8042-47-5	>6

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not Regulated by any means of transportation
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**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA:** Listed in TSCA  
**DSL:** Not listed in DSL  
**EINECS/ELINCS** This product does not comply with EINECS/ELINCS  
**CHINA:** This product does not comply with China IECSC.  
**KECL:** This product does not comply with Korea KECL.  
**PICCS:** This product does not comply with Philippines PICCS.  
**AICS:** This product does not comply with Australia AICS

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**State Regulations (RTK)**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Components	NJRTK:	MARTK:	PARTK:
Oil, Technical White Mineral - 8042-47-5	Substance no. 1437 Listed. Substance no. 4004 Listed.	Listed	Listed

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

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**16. OTHER INFORMATION****Nfpa:****Health:** 1**Flammability:** 1**Instability:** 0**NFPA/HMIS \* for Carc, Muta, Tera, Specific Organ \*****HMIS health rating:****Health:** 1**Flammability:** 1**Physical hazards:** 0**Personal protection:** B**Issue Date** 04-Nov-2015**Revision Date** 01-Jun-2022**Revision Note** Rev 3

Not applicable

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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