



# SAFETY DATA SHEET

## FOODSAFE HYDRAULIC FG-32 SEMI-SYNTHETIC FOOD GRADE HYDRAULIC LUBRICANT

### 1. PRODUCT IDENTIFICATION

Product Name/Identifier:	FOODSAFE HYDRAULIC FG-32
Other means of identification	FOODSAFE HYDRAULIC FG-32
Recommended use of the chemical	Lubricant
Uses advised against	No information available
Details of the supplier of the safety data sheet	Petrochem, Inc. 6N999 Whispering Trail Road Saint Charles, IL 60175 Phone: (630) 513-6350 Fax: (630) 513-8324 Email: <a href="mailto:info@petrochem1.com">info@petrochem1.com</a> <a href="http://www.petrochem1.com">www.petrochem1.com</a>
Emergency telephone number	CHEMTREC: 1-800-424-9300; INTERNATIONAL (703) 527-3887
Date Prepared:	02/24/2015
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### 2. HAZARDS IDENTIFICATION

Classification	
OSHA Regulatory Status	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
	Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)
EMERGENCY OVERVIEW:	
Label Elements	This product contains no substances which at their given concentration, are considered to be hazardous to health
Appearance	Oil
Physical state	Liquid
Odor	Mild Hydrocarbon like
Hazardous not otherwise classified	(HNOC)
Other information	None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances which at their given concentration, are considered to be hazardous to health.

### 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.
Inhalation:	In the case of inhalation of aerosol/mist consult a physician if necessary. Move to fresh air.

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*Member of the American Baking Society*

<b>Ingestion:</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Consult a physician if necessary.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms</b>	No information available.
<b>Indication of any immediate medical attention and special treatment needed</b>	

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam. Water spray.
<b>Unsuitable Extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	In the event of fire, cool tanks with water spray.
<b>Explosion data</b>	
<b>Sensitivity to Mechanical Impact</b>	None
<b>Sensitivity to Static Discharge</b>	None
<b>Special protective equipment for firefighters</b>	Standard procedure for chemical fires. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	
<b>Personal precautions:</b>	Use personal protective equipment. Contaminated surfaces will be extremely slippery.
<b>Environmental precautions</b>	
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system. Should not be released into the environment.
<b>Methods and material for containment and cleaning up</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	
<b>Handling</b>	Contaminated surfaces will be extremely slippery. Use personal protective equipment. Remove all sources of ignition.
<b>Conditions for safe storage, including any incompatibilities</b>	
<b>Storage Conditions</b>	Keep containers dry and tightly closed to avoid moisture absorption and contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Control parameters</b>	
<b>Exposure Guidelines</b>	Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m <sup>3</sup> , ACGIH STEL of 10 mg/m <sup>3</sup> .
<b>Appropriate engineering controls</b>	
<b>Engineering measures to reduce exposure</b>	Ensure adequate ventilation, especially in confined areas.
<b>Individual protection measures, such as personal protective equipment</b>	

<b>Respiratory protection:</b>	Breathing apparatus needed only when aerosol or mist is formed.
<b>Hand protection:</b>	Nitrile rubber
<b>Eye protection:</b>	Usual safety precautions while handling the product will provide adequate protection against this potential effect
<b>Skin and body protection:</b>	Usual safety precautions while handling the product will provide adequate protection against this potential effect
<b>General Hygiene Considerations:</b>	Avoid contact with skin, eyes and clothing. Wash off with soap and water. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Oil
<b>Odor</b>	Mild Hydrocarbon Like
<b>Color</b>	Light yellow
<b>Odor threshold</b>	No information available

Property	Values
<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	No information available
<b>Boiling point</b>	No information available
<b>Flash point (Cleveland Open Cup)</b>	> 204 ° C / 400 ° F
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Upper/lower flammability or explosive limits</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	No information available
<b>Specific Gravity</b>	< 0.9
<b>Water solubility</b>	Insoluble in water
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available

Property	Values
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity cSt@ 40°C</b>	32
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Other information</b>	
<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

<b>Reactivity</b>	Not applicable
<b>Chemical stability</b>	
<b>Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	No special storage conditions required.
<b>Hazardous Decomposition Products</b>	None reasonably foreseeable
<b>Incompatible materials</b>	Oxidizing agents

## 11. TOXICOLOGICAL INFORMATION

<b>Information on likely routes of exposure</b>	
<b>Product Information:</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Eye Contact</b>	May cause slight 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>	No known effect.
<b>Information on toxicological effects</b>	
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	
<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>	Not applicable.
<b>Numerical measures of toxicity</b>	
<b>The following values are calculated based on chapter 3.1 of the GHS document</b>	
<b>ATEmix (oral)</b>	5086 mg/kg
<b>ATEmix (dermal)</b>	2035 mg/kg

## 12. Ecological Information

<b>Ecotoxicity</b>	No known hazards to the aquatic environment. 0.001% of the mixture consists of components (s) of unknown hazards to the aquatic environment
<b>Persistence and degradability</b>	No information available
<b>Bioaccumulation</b>	No information available
<b>Mobility</b>	The product is insoluble and floats on water.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	
<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>DOT</b>	Not Regulated by any means of transportation.
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## 15. REGULATORY INFORMATION

<b>International Inventories:</b>	
<b>TSCA</b>	Listed in TSCA
<b>DSL</b>	All of the components in this product are listed in DSL
<b>EINECS/ELINCS</b>	This product complies with EINECS/ELINCS

<b>CHINA</b>	This product complies with China IECSC
<b>KECL</b>	This product complies with Korea KECL
<b>PICCS</b>	This product complies with Philippines PICCS
<b>AICS</b>	All of the constituents of this material are listed on the Australian AICS
<b>Legend:</b>	
<b>TSCA</b>	Listed in TSCA
<b>DSL</b>	All the components in this product are listed in DSL
<b>EINECS/ELINCS</b>	This product complies with EINECS/ELINCS
<b>CHINA</b>	This product complies with China IECSC
<b>KECL</b>	This product complies with Korea IECSC
<b>PICCS</b>	This product complies with Philippines PICCS
<b>AICS</b>	All the constituents of this material are listed on the Australian AICS

<b>Federal Regulations:</b>	
<b>SARA 313</b>	Section 313 of the 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 Feral Regulations, Part 372.
<b>SARA 311/312 Hazard Categories:</b>	
<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No
<b>CWA (Clean Water Act)</b>	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 112.21 and 40 CFR 122.42).
<b>CERCLA</b>	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

<b>State Regulations (RTK)</b>	
<b>California Proposition 65</b>	This product does not contain any Proposition 65 chemicals.
<b>U.S. State Right-to-Know Regulations:</b>	
<b>U.S. EPA Label Information</b>	
<b>EPA Pesticide Registration Number</b>	Not applicable

## 16. OTHER INFORMATION

### HAZARD RATING INFORMATION

	NFPA	HMIS/NPCA	KEY 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
Health	1	1	
Flammability	1	1	
Instability	0	-	
Physical hazards	-	0	
Personal protection	-	B	

<b>Issue Date</b>	02/ 24/ 2015
<b>Revision Date</b>	02/ 24/ 2015 Rev. 1
<b>Revision Notes</b>	Not applicable

**DISCLAIMER**

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**End of Safety Data Sheet**