

Issue Date 21-MAR-2016

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Version 5

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

Product identifier

Product Name SEMI-SYN HYDRAULIC 100

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. HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

EMERGENCY OVERVIEW

The 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

Hazards not otherwise classified (HNOC)

Other information

- Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

The 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.
Ingestion:	Do not induce vomiting without medical advice. Drink 1 or 2 glasses of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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Indication of any immediate medical attention and special treatment needed

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO₂). Dry chemical. Water spray mist or foam.

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

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition. Water may be used to cool closed containers.

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. Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions:	Contaminated surfaces will be extremely slippery. Use personal protective equipment. Remove all sources of ignition.
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Environmental precautions

Environmental precautions:	Do not flush into surface water or sanitary sewer system.
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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	Spilling onto the container's outside will make container slippery. Avoid contact with eyes and skin. Always replace cap after use.
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Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers dry and tightly closed to avoid moisture absorption and contamination

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Guidelines Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m³, ACGIH STEL of 10 mg/m³.

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory protection: Breathing apparatus needed only when aerosol or mist is formed.
Hand protection: Nitrile rubber
Eye protection: Safety glasses
Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect
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 Hydrocarbon-like	Color Clear	Odor threshold No information available

Property	Values	Remarks • Method	pH	Not applicable
Melting point/freezing point	No information available		Boiling point / boiling range	No information available
Flash point	> 204 °C / > 400 °F	Cleveland Open Cup	Evaporation rate	No information available
Flammability (solid, gas)	No information available		Flammability Limit in Air	No information available
Upper flammability limit:	No information available		Lower flammability limit:	No information available
Vapor pressure	No information available		Vapor density	No information available
Specific Gravity	< 0.9		Water solubility	Insoluble in water
Solubility in other solvents	No information available		Partition coefficient	No information available
Autoignition temperature	No information available		Decomposition temperature	No information available
Kinematic viscosity	approx. 100 cSt @ 40 ° C		Dynamic viscosity	No information available
Explosive properties		No information available		
Oxidizing properties		No information available		

Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY**Reactivity**

Not applicable

Chemical stability**Stability**

Stable under recommended storage conditions

Possibility of Hazardous Reactions**Possibility of Hazardous Reactions**

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid**Conditions to avoid**

No special storage conditions required

Hazardous Decomposition Products**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating gases and vapors

Incompatible materials**Incompatible materials**

Oxidising agents

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information

Eye contact

May cause slight irritation.

Skin contact

Substance may cause slight skin irritation.

Inhalation

Avoid breathing vapors or mists.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Information on toxicological effects**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization**

No sensitization responses were observed.

Mutagenic effects:

Did not show mutagenic or teratogenic effects in animal experiments.

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity

This product does not contain any known or suspected reproductive hazards.

STOT - Single Exposure

None under normal use conditions.

STOT - Repeated Exposure

None under normal use conditions.

Aspiration hazard

Not applicable.

Numerical measures of toxicity - Product Information**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects

0.017% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

The product is insoluble and floats on water.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION**15. REGULATORY INFORMATION****International Inventories****TSCA:**

Listed in TSCA

DSL:

All of the components in this product are listed in DSL

EINECS/ELINCS

This product complies with EINECS/ELINCS

CHINA:

This product complies with China IECSC.

KECL:

This product complies with Korea KECL.

PICCS:

This product does not comply with Philippines PICCS.

AICS:

All the constituents of this material are listed on the Australian 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**Acute Health Hazard**

No

Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	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**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

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

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Revision Note

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