



SAFETY DATA SHEET

Issue Date 4/1/2016

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Version 1

1. IDENTIFICATION

Product identifier

Product Name: AllSyn Hydraulic

Other means of identification

Product code: F-315

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

FRONTIER PERFORMANCE LUBRICANTS INC

PO BOX 1777

LODI, CA 95241

Phone: (800)-807-4496

Fax: (209)-334-6408

Emergency telephone number

Emergency Telephone: PERS (800)-633-8253

2. HAZARDS 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

Signal word

Not Classified

Hazard statements

None

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

Appearance

Oil

Physical state

Liquid

Odor

Mild

Eyes

None

Skin

None

Inhalation

None

Ingestion

None

Hazards not otherwise classified (HNOC)

Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Components	CAS-No	Weight %	Trade Secret
Ester Oil	Proprietary	10-30	*

4. FIRST AID MEASURES

First aid measures

Eye contact

Immediate medical attention is not required. Flush eyes with water as a precaution.

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 symptoms persist, call a physician. Immediate medical attention is not required.

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.

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

Thermal decomposition can lead to release of irritating gases and vapors. 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

Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions:

Contaminated surfaces will be extremely slippery. Use personal protective equipment.

Environmental precautions

Environmental precautions:

Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

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. Always replace cap after use.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place

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:** No personal respiratory protective equipment normally required. Breathing apparatus needed only when aerosol or mist is formed.**Hand protection:** Nitrile rubber**Eye protection: S** 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
Color Clear
Odor threshold No information available

Property	Values	Property	Values
Melting point/freezing point	No information available	pH	Not applicable
Flash point	> 204 °C / > 400 °F	Boiling point/boiling range	> 315 °C, 600 °F
Flammability (solid, gas)	No information available	Evaporation rate	No information available
Upper flammability limit	No information available	Flammability Limit in Air	No information available
Vapor	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. 64.1 cSt @ 40° C	Dynamic viscosity	No information available
Explosive properties	No information available	Oxidizing properties	No information available
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 normal 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** Oxidizing 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 does not generally irritate and is only mildly irritating to the skin.**Inhalation** Avoid breathing vapors or mists.

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

Components	Oral LD50	Dermal LD50	Inhalation LC50
Ester Oil -	> 10000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	-

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

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

ATEmix (oral)	45370 mg/kg
ATEmix (dermal)	14337 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

No known hazards to the aquatic environment.

0.001% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ester Oil -

Algae/aquatic plants	8.6: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50
Fish	0.14: 96 h <i>Pimephales promelas</i> mg/L LC50 static 0.21: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.26: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through
Crustacea	3.96: 48 h <i>Daphnia magna</i> mg/L EC50

Persistence and degradability

Inherently biodegradable. (based on components).

Bioaccumulation

No information available.

Mobility

The product is insoluble and floats on water.

Components	Partition Coefficient
Ester Oil	>4

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

DOT Not Regulated by any means of transportation

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

Components	NJRTK:	MARTK:	PARTK:
Ester Oil -	Not Listed	Not Listed	Listed

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

Nfpa:	HMIS health rating:
Health: 1	Health: 1
Flammability: 1	Flammability: 1
Instability: 0	Physical hazards: 0
NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *	Personal protection: B

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Revision Note Not applicable

Disclaimer

The information provided in this Material 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.