



# SAFETY DATA SHEET

Issue Date 11-Jul-2018

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Version 3

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

**Product identifier**

**Product Name** HYSYN FR-68

**Other means of identification**

**Product code:** 340204

**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**

Klüber Lubrication NA LP  
9010 County Road 2120  
Tyler, Texas 75707  
Phone: (903) 534-8021  
Fax: (903) 581-4376

**Emergency telephone number**

**Emergency Telephone** CHEMTREC: 1-800-424-9300; INTERNATIONAL: (703) 527-3887

## 2. HAZARD IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**WHMIS 2015 Regulatory Status**

This chemical is not considered hazardous by the Canadian Hazardous Products Regulations (WHMIS 2015).

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

<b>Appearance</b> Oil	<b>Physical state</b> Liquid	<b>Odor</b> Mild
<b>Eyes</b> None		
<b>Skin</b> None		
<b>Inhalation</b> None		
<b>Ingestion</b> None		

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

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

**Unknown Acute Toxicity**

11% of the mixture consists of ingredient(s) of unknown toxicity

### 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
Antioxidant	Proprietary	0.1 - 1%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**First aid measures**

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

**Skin contact:** Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.

**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, CO<sub>2</sub>, 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.

**Hazardous combustion products** Carbon oxides. Phosphorus oxides. Nitrogen oxides (NOx). Oxides of sulfur.

#### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### **Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

### Environmental precautions

**Environmental precautions:** Do not flush into surface water or sanitary sewer system.

### 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:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in original container. Keep tightly closed in a dry and cool place. No special restrictions on storage with other products

## 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/m<sup>3</sup>, ACGIH STEL of 10 mg/m<sup>3</sup>.

### Appropriate engineering controls

**Engineering measures to reduce exposure:** Ensure adequate ventilation.

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

**Respiratory protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators: Respirator with Organic Vapor/P100 filter.

**Hand protection:** Neoprene gloves

**Eye protection:** Safety glasses with side-shields

**Skin and body protection:** Long sleeved 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** Amber                      **Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>		
<b>Melting point/freezing point</b>	No information available		<b>pH</b>	Not applicable
<b>Flash point</b>	> 260 °C / > 500 °F	Cleveland Open Cup	<b>Boiling point / boiling range</b>	No information available
<b>Flammability (solid, gas)</b>	No information available		<b>Evaporation rate</b>	No information available
<b>Upper flammability limit:</b>	No information available		<b>Flammability Limit in Air Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	No information available		<b>Vapor density</b>	No information available
<b>Specific Gravity</b>	< 1.0		<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>	68 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>Possibility of Hazardous Reactions</b>	
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.

### Conditions to avoid

<b>Conditions to avoid</b>	No special storage conditions required
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**Hazardous Decomposition Products**

**Hazardous Decomposition Products** Incomplete combustion may produce small amounts of nitrogen oxides, phosphorous oxides, carbon oxides, sulfur oxides

**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** Contact with eyes may cause irritation.

**Skin contact** Prolonged contact may cause redness and irritation.

**Inhalation** Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

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

Components	Oral LD50	Dermal LD50	Inhalation LC50
Antioxidant -	> 5000 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	-

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

**Irritation** Irritating to eyes and skin.

**Corrosivity** None.

**Sensitization** None known.

**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** None known.

**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**

**Unknown Acute Toxicity** 11% of the mixture consists of ingredient(s) of unknown toxicity

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

**ATEmix (oral)** 16734 mg/kg

**ATEmix (dermal)** 80073 mg/kg

**ATEmix (inhalation-dust/mist)** 360 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life with long lasting effects

6% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Antioxidant -	
<b>Algae/aquatic plants</b>	-
<b>Fish</b>	-

Crustacea	0.45: 48 h Daphnia magna mg/L EC50
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**Persistence and degradability**

Readily biodegradable ( 80.4 % after 28 days).

**Bioaccumulation**

No information available.

**Mobility**

No information available.

### 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
<b><u>TDG</u></b>	Not Regulated
<b><u>IATA-DGR</u></b>	Not Regulated
<b><u>IMO / IMDG</u></b>	Not Regulated

### 15. REGULATORY INFORMATION

**International Inventories**

<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 does not comply with EINECS/ELINCS
<b>CHINA:</b>	This product complies with China IECSC.
<b>KECL:</b>	This product does not comply with Korea KECL.
<b>PICCS:</b>	This product does not comply with Philippines PICCS.
<b>AICS:</b>	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

**Canada HPR Statement**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

**US 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>	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

**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

<b>16. OTHER INFORMATION</b>
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**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** 11-Jul-2018

**Revision Date** 11-Jul-2018

**Revision Note**

**Reason for revision:** Change in GHS classification of the product. SEE SECTION 2

**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**