



SAFETY DATA SHEET

Issue Date 26-Jun-2018

Revision Date 26-Jun-2018

Version 3

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

Product identifier

Product Name HYSYN FG- 15

Other means of identification

Product code: 050039

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

WHMIS 2015 Regulatory Status

This chemical is considered hazardous by the Canadian Hazardous Products Regulations (WHMIS 2015).

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Aspiration toxicity	Category 1

Label Elements

EMERGENCY OVERVIEW

Signal word

Danger

Hazard statements

Harmful if inhaled
May be fatal if swallowed and enters airways



Appearance Oil

Physical state Liquid

Odor Mild

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell

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

- May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

This material is considered hazardous by the Canadian Hazardous Products Regulation (WHMIS 2015).

Components	CAS-No	Weight %	Trade Secret
1-Decene, Dimer, hydrogenated	68649-11-6	7 - 13%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. If symptoms persist, call a physician.

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

Inhalation: Call a physician immediately. Move to fresh air. Oxygen or artificial respiration if needed.

Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately. Risk of product entering the lungs on vomiting after ingestion. Aspiration may cause pulmonary oedema and pneumonitis.

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. Foam. Water spray. 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

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:

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: Use personal protective equipment. Ensure adequate ventilation. Contaminated surfaces will be extremely slippery. Avoid contact with the skin and the eyes.

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 Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Components	ACGIH TLV	OSHA (TWA mg/m ³):	IDLH:

1-Decene, Dimer, hydrogenated - 68649-11-6	5 mg/m ³ (oil mist)	5 mg/m ³ (oil mist)	
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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: In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
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 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

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

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	<u>pH</u>	<u>Not applicable</u>
Melting point/freezing point	No information available		Boiling point / boiling range	> 220 °C / 428 °F
Flash point	> 148 °C / 300 °F	Cleveland Open Cup	Evaporation rate	No information available
Flammability (solid, gas)	No information available		Flammability Limit in Air	
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. 15.4 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**

None under normal processing

Incompatible materials**Incompatible materials**

Strong oxidising agents

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

Harmful by inhalation and if swallowed

Eye contact

May cause slight irritation.

Skin contact

Substance may cause slight skin irritation.

Inhalation

Harmful by inhalation. Avoid breathing vapors or mists. Aspiration into lungs can produce severe lung damage.

Ingestion

Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

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

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 .

ATEmix (oral) 5084 mg/kg

ATEmix (dermal) 2034 mg/kg

ATEmix (inhalation-dust/mist) 4.2 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

0.00102% 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

<u>DOT</u>	Not Regulated by any means of transportation
<u>TDG</u>	Not Regulated
<u>IATA-DGR</u>	Not Regulated
<u>IMO / IMDG</u>	Not Regulated

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 complies 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

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

Acute Health Hazard	Yes
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: 2

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