



MATERIAL SAFETY DATA SHEET

Syndustrial FG A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Synonyms: Not Established
Formula: Mixture
Chemical Family: Synthetic Hydrocarbon
CAS Number: Mixture
SAP Code: 1035525; 1035526;1035527; 1035529; 1035530; 1035531
Product Code: 83320; 83680; 83100
MSDS Number: US703420
NFPA Ratings: Health 0, Flammability 1 , Reactivity 0
HMIS Ratings: Flammability 1, Reactivity 0, Health 0
Intended Use(s): Food industry hydraulic systems where food contact is possible

The intended use of this product is indicated above, if any additional use is known please contact us at the Technical Information number listed below.

Manufactured By:
 Phillips 66 Company
 A Division of Phillips Petroleum Company
 Bartlesville, Oklahoma 74004

Phone Numbers
Emergency: (918) 661-8118
Technical Information: (800) 766-0050
For Additional MSDSs: (918) 661-5974

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Specification and CAS #	Weight % In Product	ACGIH TLV (TWA)	ACGIH Short Term Exposure Limit	ACGIH Ceiling Limits	ACGIH Skin Designation	OSHA Final PEL (TWA)	OSHA - Final PELs - Ceiling Limits	OSHA - Final PELs - Skin Notation
Synthetic hydrocarbon	> 90	NE	NE	NE	NE	NE	NE	NE

See Section 8 for additional Exposure Limits.

3. HAZARDS IDENTIFICATION

Emergency Overview

Non-Hazardous. Pressure Injection. Lung Aspiration Hazard.

Potential Acute Health Effects

Eye Contact: May cause mild irritation.

Skin Contact: May cause mild irritation with prolonged or repeated contact.

Inhalation: No acute effects expected due to low vapor pressure.

Ingestion: If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs.

Subchronic and Chronic Effects:

Prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as lung inflammation. This condition usually causes no symptoms.

Aggravated Medical Conditions: No Known Applicable Information

4. FIRST AID MEASURES

Eye Contact: Flush eyes with running water. If irritation or adverse symptoms develop, seek medical attention.

Skin Contact: Wash skin with soap and water. If irritation or adverse symptoms develop, seek medical attention.

Inhalation: Remove from exposure. If illness or adverse symptoms develop, seek medical attention.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

Notes To Physician: For injection injuries, immediate medical treatment is required. Physicians may call the emergency number (918) 661-8118.

Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

5. FIRE FIGHTING MEASURES

Flash Point: > 370F (> 188C)

FP Method: Unknown

Ignition Temperature: Unknown

Flammable Limits (% by Volume in Air)

Lower Explosive Limit - Not Established

Upper Explosive Limit - Not Established

Fire Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam

Fire Fighting Procedures: Evacuate area and fight fire from a safe distance. Shut off source, if possible. Use NIOSH approved self-contained breathing apparatus and other protective equipment and/or garments described in Section 8 if conditions warrant. Use water spray to cool nearby containers and structures exposed to fire.

Fire and explosion hazards: Exposure to heat builds up pressure in closed containers. Cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Sweep or gather up material and place in proper container for disposal or recovery.

7. HANDLING AND STORAGE

Avoid contact with eyes, skin or clothing. Avoid breathing vapors, mist, fume or dust. Do not swallow. May be aspirated into lungs. Wash thoroughly after handling. Use with adequate ventilation. Wear protective equipment and/or garments described in Section 8 if exposure conditions warrant. Launder contaminated clothing before

reuse. Store in closed container. Store in well-ventilated area.

If pressure injected under the skin, can cause gangrene if not treated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses.

Respiratory Protection: For concentrations exceeding an applicable exposure limit, use NIOSH approved air purifying respirator equipped with P95 filters, for particulate with time weighted average exposure limit not less than 0.5 mg/M3.

Skin Protection: Use gloves resistant to the material(s) contained in this product.

Ventilation: Use adequate ventilation to control concentrations below applicable exposure limits.

Other Personal Protection: Personal protection information shown in Section 8 is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

Exposure Limits: OSHA PEL and ACGIH TLV for oil mists is 5 mg/m3.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Bright and clear
Odor:	Mild
Odor Threshold (ppm):	Unknown
Boiling Point:	> 600F (> 315C)
Melting/Freeze Point:	Not Established
Vapor Pressure:	Not Established
Vapor Density (Air=1):	Not Established
Specific Gravity @ 20 C (Water=1):	< 1 @ 60F (16C)
Percent Volatile by Volume:	Negligible
Evaporation Rate (Butyl Acetate=1):	Not Established
Water Solubility:	Negligible
Viscosity:	> 15 @ 104F (40C)

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Incompatibility (Materials to Avoid):	Oxygen and strong oxidizing agents.
Hazardous Decomposition Products:	Carbon oxides and various hydrocarbons are formed when burned.

11. TOXICOLOGICAL INFORMATION

Other Health Effects:

Pressurized injection of product under the skin can lead to seriously inflamed tissue. If left untreated injury can become gangrenous.

Continuous skin contact with used motor oils has caused skin cancer in laboratory animals. Avoid prolonged skin contact with used motor oil.

12. ECOLOGICAL INFORMATION

No data at this time.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Shipping Description: Not Regulated

IMDG Shipping Description: Not Regulated

ICAO/IATA Proper Shipping Name: Not Regulated

15. REGULATORY INFORMATION

Synthetic hydrocarbon > 90

Regulated Substance on TSCA Inventory: Listed

Canada - Domestic Substances List: Listed

EPA SARA 311/312 (Title III Hazard Categories)

Acute Health: No

Chronic Health: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

16. OTHER INFORMATION

Revision Summary:

This Material Safety Data Sheet (MSDS) has been revised to conform with the American National Standards Institute (ANSI) 16 Section Format.

Preparer: Health, Environment and Safety Department

Date Prepared: 05/18/2001 **Supersedes:** 05/31/2000

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