



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Dyna-Plex 21C Synzol EPG 810 Synthetic Gear Oil

Lubricant

Product Code: 0019

Miller Industrial Fluids, A PetroChoice Company

1751 W. Raymond Street

Indianapolis, Indiana 46221

Website: www.petrochoice.com

1-800-545-1257 Supplier General Contact Number

1-800-633-8253 US, Canada, Puerto Rico, Virgin Island - Emergency telephone (PERS)

+1-801-629-0667 International / Maritime Emergency telephone (PERS)

2. HAZARDS IDENTIFICATION

OSHA/HCS Status:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin sensitization	Category 1
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Label Elements

Emergency Overview

Signal Word: WARNING

Hazard Statements: H317 May cause an allergic skin reaction.



Appearance: Oil

Physical State: Liquid

Odor: Slight sulfurous

Precautionary Statements

- Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.
- Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- Disposal:** Dispose of in accordance with federal, state and local regulations.
- Hazards not otherwise classified (HNOC)**
- Other information:** May cause long lasting harmful effects to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Components	CAS-NO	Weight %	Trade Secret
Olefin Sulfide	68937-96-2	< 0.5-0.95%	*

4. FIRST AID MEASURES

Eye Contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact

Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

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/Effects, Acute and Delayed:

Symptoms: No information available

Indication of any immediate medical attention and special treatment needed

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Water spray, dry chemical, Carbon dioxide (CO₂) 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 fire-fighters

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:

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

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods and materials 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:

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions:

Keep container tightly closed

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: Gloves made of plastic or rubber

Eye/face 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

Appearance: Oil

Color: Amber

Physical state: Liquid

Odor: Slight sulfurous

Odor Threshold: No information available

pH: Not applicable

Melting point/freezing point: No information available

Boiling point and boiling range: No information available

Flash point (Cleveland Open Cup): >204°C (400°F)

Flammability (solid, gas): No information available

Upper flammability limit: No information available

Vapor pressure: No information available

Specific gravity: <0.9

Solubility in other solvents: No information available

Auto-ignition temperature: No information available

Kinematic viscosity: approx. 1513 cSt @ 40°C

Evaporation rate: No information available

Flammability limit in air:

Lower flammability limit: No information available

Vapor density: No information available

Water solubility: Insoluble in water

Partition coefficient: No information available

Decomposition temperature: No information available

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 normal conditions

Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: No special storage conditions required

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors

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. May cause sensitization by skin contact.

Inhalation: Avoid breathing vapors or mists.

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

Components	Oral LD50	Dermal LD50	Inhalation LC50
Olefin Sulfide - 68937-96-2	= 6500 mg/kg (Rat) -	-	-

Information on toxicological effects:

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization: May cause sensitization by skin contact.

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): 23477 mg/kg

ATEmix (dermal): 37497 mg/kg

ATEmix (inhalation-dust/mist): 20676 mg/l

ATEmix (inhalation-vapor): 9516 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity: May cause long lasting harmful effects to aquatic life

0.44% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Olefin Sulfide - 68937-96-2	
Algae/aquatic plants	
Fish	250 - 500: 96 h Pimephales promelas mg/L LC50 static 1000: 96 h Pimephales promelas mg/L LC50 semi-static
Crustacea	1000: 48 h Daphnia magna mg/L EC50

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

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 complies with Philippines PICCS.

AICS: All the constituents of this material are listed on the Australian AICS

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 contains the following Proposition 65 chemicals

U.S. State Right-to-know Regulations

U.S. EPA Label Information

EPA Pesticide Registration number: Not applicable

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

16. OTHER INFORMATION

The information and recommendations contained within this document are believed by PetroChoice to be accurate and reliable as of the date prepared. The information and recommendations are offered for the user's consideration and analysis and in no way guarantee the chemical specifications for the specified product. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense arising out of the product's improper use. The user should consider the information in this document in the context of how the selected product will be handled and used in conjunction with other products. It is the user's responsibility to determine that the product is suitable for the intended use.

Appropriate warnings and safe-handling procedures should be provided to all handlers and users. PetroChoice assumes no responsibility for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices within this document.

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