



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Dyna-Plex 21C EMB Grease

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
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

Label Elements

Emergency Overview

Signal Word: WARNING

Hazard Statements:
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child
H373 May cause damage to organs through prolonged or repeated exposure



Appearance: Paste
Physical State: Solid
Odor: Mild

Precautionary Statements

- Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. 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.
- Storage:** Store locked up.
- Disposal:** Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

Other information: Harmful to aquatic life with long lasting effects.

Unknown acute toxicity: 10.07% of the mixture consists of ingredient(s) of unknown toxicity

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
Mineral Oil	Proprietary	50-60	*
Phenol, isopropylated, phosphate (3:1)	68937-41-7	1-3	*

4. FIRST AID MEASURES

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing 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 fumes from overheating or combustion.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice.

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

In the event of fire, cool tanks with water spray. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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:

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

Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

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:

Scrape-up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Keep away from direct sunlight. Store in original container. Keep in properly labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines:

Components	ACGIH TLV	OSHA (TWA mg/m ³)	IDLH
Mineral Oil	5 mg/m ³ (oil mist)	5 mg/m ³ (oil mist)	

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 special protective equipment required.

Hand protection: Impervious gloves

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. When using, do not eat, drink or smoke. Wash hands before and at the end of work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance: Paste

Color: Beige

Physical state: Solid

Odor: Mild

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): No information available

Flammability (solid, gas): No information available

Upper flammability limit: No information available

Vapor pressure: No information available

Specific gravity: 0.88

Solubility in other solvents: No information available

Auto-ignition temperature: No information available

Kinematic viscosity: No information available

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 may cause slight skin irritation. May cause sensitization by skin contact.

Inhalation: No known effect.

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

Components	Oral LD50	Dermal LD50	Inhalation LC50
Phenol, isopropylated, phosphate (3:1) -68937-41-7	= 30000 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: Product is or contains a chemical which is a known or suspected reproductive hazard.

STOT – Single Exposure: None under normal use conditions.

STOT – Repeated Exposure: Causes damage to organs through prolonged or repeated exposure if swallowed.

Aspiration hazard: Not applicable

Numerical measures of toxicity – Product Information

Unknown acute toxicity: 10.07% 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): 5115 mg/kg

ATEmix (dermal): 2548 mg/kg

ATEmix (inhalation-dust/mist): 18.9 mg/l

ATEmix (inhalation-vapor): 12847143 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects

10.07% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Phenol, isopropylated, phosphate (3:1) - 68937-41-7	
Algae/aquatic plants	
Fish	1.15: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 10.8: 96 h Pimephales promelas mg/L LC50 static 1000: 96 h Brachydanio rerio mg/L LC50 static
Crustacea	14: 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: Yes

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

Components	NJRTK	MARTK	PARTK
Mineral Oil	Substance no. 1437 Listed. Substance no. 4004 Listed.	Not listed	Not listed

U.S. EPA Label Information

EPA Pesticide Registration number: Not applicable

NFPA:

Health: 2

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.

Rev. Date: 4/10/2018