



# Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

### Dyna-Plex 21C Rust-Tek 262-CU

Rust preventative

Product Code: 14902

Miller Industrial Fluids, A PetroChoice Company

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Indianapolis, Indiana 46221

Website: [www.petrochoice.com](http://www.petrochoice.com)

1-317-634-7300 Telephone

1-800-424-9300 US, Canada, Puerto Rico, Virgin Island - Emergency telephone (CHEMTREC)

+1-703-527-3887 International / Maritime Emergency telephone (CHEMTREC)

1-317-634-7300 Emergency telephone, after hours (CHEMTREC)

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## 2. HAZARDS IDENTIFICATION

### OSHA/HCS Status:

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

### Classification of the substance or mixture:

Flammable Liquids – Category 4

Acute Toxicity, Inhalation – Category 4

Skin Corrosion/Irritation – Category 2

Serious Eye Damage/Eye Irritation – Category 2B

Specific Target Organ Toxicity, Single Exposure – Category 3 (Narcotic Effects)

Aspiration Hazard – Category 1

Skin Sensitization – Category 1

### GHS Label Elements

#### Hazard Pictogram:



#### Signal Word:

DANGER

**Hazard Statement:** H227 – Combustible liquid.  
H304 – May be fatal if swallowed and enters airways.  
H315 – Causes skin irritation.  
H320 – Causes eye irritation.  
H332 – Harmful if inhaled.  
H336 – May cause drowsiness and dizziness.  
H317 – May cause an allergic skin reaction.

### Precautionary Statements

**Prevention:** Wear protective gloves. Wear eye or face protection. Keep away from flames and hot surfaces. - NO SMOKING. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace.

**Response:** IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do not induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. In case of fire: Use water fog or spray, dry chemical, carbon dioxide or other appropriate media for extinction.

**Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Other Hazards:** None known

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** None

**Formula:** Mixture

**Other means of identification:** None

**CAS Number/other identifiers:** None

Component	CAS Number	Concentration %
Petroleum distillates, hydrotreated light	64742-47-8	75-95
Calcium sulfonate	Confidential	1-5

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## 4. FIRST AID MEASURES

### Description of necessary first aid measures:

#### Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

#### Inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. If breathing becomes difficult, call a physician.

#### Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Ingestion

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur.

### Most Important Symptoms/Effects, Acute and Delayed:

**Eye Contact:** Adverse symptoms may include the following: pain or irritation, watering, redness.

**Inhalation:** Adverse symptoms may include the following: headache

**Skin Contact:** Adverse symptoms may include the following: dryness, cracking of skin

**Ingestion:** Adverse symptoms may include the following: nausea or vomiting

### Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

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## 5. FIREFIGHTING MEASURES

### Extinguishable media

#### Suitable extinguishing media

Use dry chemical, foam, carbon dioxide (CO<sub>2</sub>) or water spray or water fog.

#### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from this mixture

Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Thermal decomposition products include carbon monoxide and carbon dioxide, sulfur dioxide.

## **Special protective equipment and precautions for fire-fighters**

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment, emergency procedures:**

Evacuate surrounding areas. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapors. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. If significant spillages cannot be contained, local authorities should be advised.

### **Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where possible. Absorb in vermiculite, dry sand or other non-combustible absorbent material then place into containers. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

### **Environmental precautions**

Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Avoid discharge into drains, watercourses or onto the ground. If the product contaminates rivers and lakes or drains, then inform the respective authorities.

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## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

#### **Protective measures**

Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container. Non equilibrium conditions may increase the fire hazard associated with this product. Always bond receiving containers to the fill pipe before and during loading. Always confirm that receiving container is properly grounded. Bonding and grounding alone may be inadequate to eliminate fire and explosion hazards. Carefully review operations that may increase the risks such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. In addition to bonding and grounding, efforts to mitigate the hazards may include, but are not limited to, ventilation, inerting and/or reduction of transfer velocities. Always keep nozzle in contact with the container throughout the loading process. Do NOT fill any portable container in or on a vehicle.

## Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

#### OSHA

Material	Type	Value
Petroleum distillates, hydrotreated light	TWA	500 ppm

#### ACGIH

Material	Type	Value
Petroleum distillates, hydrotreated heavy naphthenic	TWA	5 mg/m <sup>3</sup>
Petroleum distillates, hydrotreated light	TWA	400 ppm

### Appropriate Engineering Controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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

#### Eye/face protection

Goggles/face shield are recommended.

#### Hand protection

Polyvinyl alcohol, nitrile or butyl-rubber gloves are recommended.

#### Skin & body protection

Chemical/oil resistant long-sleeve clothing is recommended. Launder contaminated clothing before reuse.

#### Respiratory protection

If vapors/mist concentration exceed the exposure limit(s), an appropriate certified respirator must be used.

#### General Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, light brown

**Physical state:** Liquid

**Odor:** Mild

**Odor threshold:** Not available

**pH:** Not applicable

**Melting point/freezing point:** Not available

**Initial boiling point and boiling range:** 377.6°F (192°C)

**Flash point:** 150.8°F (66°F) Tagliabue Closed Cup, ASTM D56

**Evaporation rate:** <1 (n-butyl acetate = 1)

**Flammability (solid, gas):** Not available

**Upper/lower flammability or explosive limits:**

**Flammability limit**

**Lower %:** 0.8%

**Upper %:** 6.0%

**Explosive limit**

**Lower %:** Not available

**Upper %:** Not available

**Vapor pressure:** >0.50mmHg @ 20°C

**Vapor density:** >1 (Air = 1)

**Relative density:** 0.81 @ 60°F (15.56°C)

**Solubility (water):** Insoluble

**Partition Coefficient (n-octanol/water):** Not established

**Auto-ignition Temperature:** Not available

**Decomposition Temperature:** Not available

**Viscosity:** Not available

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## 10. STABILITY AND REACTIVITY

**Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** Stable under normal conditions

**Possibility of hazardous reactions:** Hazardous polymerization does not occur.

**Conditions to avoid:** Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure:

**Ingestion:** May be fatal if swallowed and enters airways. Do not induce vomiting. Vomiting may increase risk of product aspiration.

**Inhalation:** Harmful if inhaled. May cause drowsiness and dizziness, headache, nausea and vomiting.

**Skin Contact:** Causes skin irritation

**Eye Contact:** Causes eye irritation.

### Symptoms Related to the Physical, Chemical and Toxicological Characteristics:

#### Information on toxicological effects

**Acute toxicity:** May be fatal if swallowed and enters airways. Harmful if inhaled. Narcotic effects.

**Skin corrosion/Irritation:** Irritating to skin

**Serious eye damage/Eye irritation:** Irritating to eyes

#### Respiratory or skin sensitization:

**Respiratory sensitization:** No data available

**Skin sensitization:** May cause sensitization by skin contact.

**Mutagenicity:** Non-mutagenic

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity:** No components are classified as toxic to reproduction

#### Specific target organ toxicity

**Single exposure:** May cause drowsiness or dizziness

**Repeated exposure:** Not available

**Aspiration hazard:** May be fatal if swallowed and enters airways.

**Chronic Effects:** Prolonged inhalation may be harmful

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Component	Test	Species	Results
Petroleum distillates, hydrotreated light	LC50, 96 hours	Oncorhynchus mykiss	2.9 mg/L

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

**Other Adverse Effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

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## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal methods

Disposal of waste material should comply with all local, state, federal and provincial environmental regulations. See Section 7 for safe handling procedures and section 8 for personal protective equipment recommendations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty containers or liners may retain some product residues. Follow label warnings even after container is emptied. Avoid contact of any spilled material or runoff with soil, waterways, drains and sewers.

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## 14. TRANSPORT INFORMATION

### DOT:

**UN number:** NA 1993

**Proper shipping name:** Petroleum Distillates, n.o.s.

**Hazard Class:** Combustible liquid

**Packing Group:** III

**IMDG:** Not regulated as dangerous goods.

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## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

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

**United States Inventory (TSCA 8b):** All components are listed or exempted.

**CERCLA Hazardous Substance List:** No products were found

### SARA 302/304:

**Composition/Information on Ingredients:** No products were found.

### SARA Hazard Categories (311/312)

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** Yes

**Sudden Release of Pressure Hazard:** No

**Reactive Hazard:** No

**SARA 313:** No products were found

### State Regulations

#### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

No products were found



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## 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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