



# Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

### Dyna-Plex 21C Cool Clean 10

Sump Cleaner

Product Code: 14887

Miller Industrial Fluids, A PetroChoice Company

1751 W. Raymond Street

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)

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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:

Serious Eye Damage/Eye Irritation – Category 2A  
Skin Sensitization – Category 1

### GHS Label Elements

#### Hazard Pictogram:



#### Signal Word:

WARNING

#### Hazard Statement:

H319 – Causes serious eye irritation

H317 – May cause an allergic skin reaction

## Precautionary Statements

- Prevention:** Wear eye protection/face protection. Wear protective gloves. Wash thoroughly after handling. Avoid breathing dust, fumes, gas, mist, vapors or spray. Contaminated work clothing must not be allowed out of the work place.
- Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.  
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, seek medical attention.
- Storage:** None
- 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 %
Ethanolamine and Triethanolamine Borate	68512-53-8	1-5
4-(2-Nitrobuty) morpholine	2224-44-4	1-5

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## 4. FIRST AID MEASURES

### Eyes

Immediately flush eyes with large amounts of fresh water and continue flushing until irritation subsides. Remove contact lenses, if present, and easy to do. Continue rinsing. Seek medical attention if irritation develops.

### Inhalation

If breathing difficulty exists, remove individual away from exposure and into fresh air. Seek medical attention.

### Skin

Remove contaminated clothing. Wash contaminated area repeatedly with soap and water. Seek medical attention if irritation develops.

### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

Eyes: May cause pain, redness, excessive tearing, light sensitivity and decrease of vision.

Skin: May cause inflammation

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

If necessary, treat symptomatically

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## **5. FIREFIGHTING MEASURES**

### **Suitable extinguishing media**

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

### **Unsuitable extinguishing media**

None known.

### **Specific hazards from combustion**

Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons, oxides of sulfur, nitrogen, phosphorus and other oxides may be products of combustion.

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

Wear full firefighting turn-out gear (full bunker gear), and respiratory protection (SCBA).

### **Firefighting instructions**

Cool fire exposed containers with water spray and avoid spreading burning material with water used for cooling purposes.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions and Protective equipment**

Personal Protection, see section 8. Evacuate surrounding area. Keep unnecessary personnel from entering. Any individual not wearing protective equipment should not enter spill or contaminated area until all clean-up has been completed.

### **Emergency procedures**

For personal emergency procedures see section 4. For fire emergency procedures see section 5. Contain spilled oil liquid if possible without posing any risk or personal injury.

### **Environmental precautions**

Prevent spreading over a wide area. Contain spill immediately. Contact appropriate authorities of spill. Do not allow spill to enter sewer system, drains of any kind, surface water or water courses. Avoid flushing to such areas as well.

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

Soak up or absorb with appropriate inert materials such as, sand, clay, silica gel, acid binder, universal binder, sawdust, paper fiber etc. Large spills may be picked up using vacuum pumps, shovels, buckets or other means of transfer and placed into drums or any other approved and suitable containers.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Remove and wash contaminated clothing promptly.

### Conditions for safe storage

Store in only approved and marked containers. Keep containers closed when not in use and during transportation. Keep containers away from flame or other ignition sources.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### OSHA Final: (PEL)

Contains no substances with occupational exposure limit values.

### Appropriate Engineering Controls:

Adequate ventilation should be provided whenever the material is heated or mists are generated. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Respiratory protection

If vapor mist is generated when the material is heated or handled, use approved respiratory protection. All respirators must be NIOSH certified. Fit testing may be required before use. Do not use compressed oxygen in hydrocarbon atmospheres. Adequate ventilation in accordance with good engineering practices must be provided to maintain concentrations below the specified exposure or flammable limits.

### Hand protection

For prolonged or repeated exposures hand protection is required. Wear chemical resistant gloves suitable for the product, contact your safety department or supplier to determine the proper hand protection.

### Eye protection

If material is handled such that it could be splashed or misted into eyes, wear plastic face shield or splash resistant safety goggles or glasses with side shields.

### Skin and body protection

For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, bibs, etc.) over parts of the body subject to exposure. Contact your facility safety department or safety supplier to determine the proper protective equipment for your use.

### Hygiene measures

Thoroughly wash contaminated areas of the body which may have been exposed with soap and water. Do not use contaminated clothing, launder clothing before reuse. Properly dispose of contaminated clothing or articles that cannot be laundered such as leather gloves, boots, etc. Wash thoroughly before handling food and beverages. Food and beverage consumption should be avoided in work areas where hydrocarbons are present.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, blue

**Physical state:** Liquid

**Odor:** Mild

**Odor Threshold:** Not available

**pH:** 9-10

**Specific gravity (H<sub>2</sub>O=1):** 0.8789

**Melting point/freezing point:** 32°F (0°C)

**Initial boiling point and boiling range:** 212°F (100°C)

**Flash point (Cleveland Open Cup):** None prior to boiling

**Upper/lower flammability or explosive limits:** No data available

**Vapor pressure:** No data available

**Solubility in water:** Complete

**Percent volatile:** Negligible

**Vapor density:** No data available

**Liquid density:** Not determined

**Relative density:** 1.01 @ 60°F (15.56°C)

**Evaporation rate:** No data available

**Partition Coefficient:** No data available

**Auto-ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

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## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions

**Possibility of hazardous reactions:** Product will not undergo hazardous polymerization

**Conditions to avoid:** None known

**Incompatible materials:** Strong acids and oxidizing agents

**Hazardous decomposition products:** Oxides of carbon and nitrogen

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## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

**Ingestion:** May cause gastrointestinal irritation and discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.

**Inhalation:** May cause irritation of the eyes and respiratory tract.

**Skin Contact:** May cause irritation of the skin.

**Eye Contact:** May cause serious damage of the eyes.

**Symptoms Related to the Physical, Chemical and Toxicological Characteristics:** Not available

### Information on Toxicological Effects

#### Acute Toxicity:

Component Name	Test	Species	Dose
4-(2-Nitrobutyl)morpholine	LD50 Oral	Rat	620 mg/kg
	LD50 Dermal	Rabbit	>420 mg/kg

**Skin Corrosion/Irritation:** May be irritating to skin.

**Serious Eye Damage/Eye Irritation:** May cause serious damage to eyes.

### Respiratory or Skin Sensitization

**Respiratory Sensitization:** No data available

**Skin Sensitization:** No data available

**Mutagenicity:** No data available

**Carcinogenicity:** No data available

**Reproductive Toxicity:** No data available

### Specific Target Organ Toxicity:

**Single Exposure:** Not classified

**Repeated Exposure:** Not classified

**Aspiration Hazard:** Not classified

### Potential Chronic Health Effects

**General:** Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

Component	Test	Species	Dose
4-(2-Nitrobutyl)morpholine	LC50, 96h	Rainbow Trout	1.1 mg/L

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** No data available

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## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal methods

All disposals must comply with federal, state and local regulations. Spilled or discarded material may be a regulated waste. Refer to state and local regulations. If other material was used during cleanup efforts the resultant mixture may be regulated.

### Empty Containers

Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed.

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## 14. TRANSPORT INFORMATION

**U.S. DOT Road/Rail/Waterways:** Not dangerous/hazardous goods

**Transport Canada Road/Rail/Waterways:** Not dangerous/hazardous goods

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## 15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**U.S. Federal Regulations** This product is considered hazardous as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

### SARA 302/304:

#### Composition/Information on Ingredients

No products were found

## **SARA Hazard Categories (311/312)**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	No
<b>Sudden Release of Pressure Hazard:</b>	No
<b>Reactive Hazard:</b>	No

## **SARA 313**

This material does not contain any chemical components that exceed the threshold reporting levels established by SARA Title III, Section 313.

## **State Regulatory Status**

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

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require warning under the statute.

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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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