



# Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

### Dyna-Plex 21C Draw-Tek 920

Metalworking Fluid

Product Code: 14869

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 1

Skin Corrosion/Irritation – Category 2

Skin Sensitization – Category 1

### GHS Label Elements

#### Hazard Pictogram:



#### Signal Word:

DANGER

#### Hazard Statement:

H318 – Causes serious eye damage.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction

## Precautionary Statements

- Prevention:** Wear protective gloves, protective clothing, eye protection and face protection. Wash thoroughly after handling with plenty of soap and water. Avoid breathing gas, mist, vapors or spray. Contaminated work clothing should not be allowed out of the workplace.
- 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:** Not applicable
- 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 heavy naphthenic	64742-52-5	5-10
Sodium sulfonate	Confidential*	1-5
Ethanolamine and triethanolamine borate	68512-53-8	1-5
Alkyl alkanolamine	Confidential*	5-10
Alkyl phosphate	52933-07-0	1-5
2-aminoethanol	141-43-5	1-5
Alcohols, C12-15, ethoxylated propoxylated	68551-13-3	1-5
4-(2-Nitrobutyl)morpholine	2224-44-4	0.1-1

\*The specific chemical identity has been withheld as a trade secret.

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## 4. FIRST AID MEASURES

### Eyes

Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if safe and possible to do. Protect unharmed eye. Keep impacted eye(s) wide open while rinsing. Seek medical attention.

### Inhalation

Move person to an area with fresh air. If breathing has stopped, give artificial respiration and call for emergency services immediately.

### Skin contact

Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water. If symptoms persist, call a physician.

### Ingestion

Rinse mouth with plenty of water and drink plenty of water afterwards. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

### 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

### Extinguishing media

#### Suitable extinguishing media

In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

#### Unsuitable extinguishing media

None known.

### Specific hazards arising from this mixture

Thermal decomposition products include oxides of carbon, nitrogen and phosphorus.

### Special protective equipment 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 and emergency procedures

Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

### Environmental precautions

Do not let product enter drains, sewer, rivers or lakes.

### Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Dike the spilled material, where possible. Absorb with an inert absorbent material and place in a suitable container for disposal. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

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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

Keep container tightly closed in a dry and well-ventilated place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### OSHA

Petroleum distillates, hydrotreated heavy naphthenic	PEL	5 mg/m <sup>3</sup>
2-aminoethanol	TWA	6 mg/m <sup>3</sup>
Morpholine	TWA	70 mg/m <sup>3</sup>

#### ACGIH

Petroleum distillates, hydrotreated heavy naphthenic	TWA	5 mg/m <sup>3</sup>
2-aminoethanol	TWA STEL	3 mg/m <sup>3</sup> 6 ppm
Morpholine	TWA	20 ppm

#### NIOSH

Petroleum distillates, hydrotreated heavy naphthenic	TWA STEL	5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>
Morpholine	TWA	20 ppm

### 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.

## Individual protection measures

### Eye/face protection

Goggles/face shield are recommended.

### Hand protection

Neoprene or nitrile rubber gloves are recommended.

### Skin & Body protection

Chemical 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:** Light amber, Clear

**Physical state:** Liquid

**Odor:** Mild

**Odor Threshold:** Not available

**pH:** 9

**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.

**Evaporation rate:** Not available

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

**Lower/upper flammability or explosive limits:**

**Flammability Limit:**

Lower %: Not available

Upper %: Not available

**Explosive Limit:**

Lower %: Not available

Upper %: Not available

**Vapor pressure:** Not available

**Vapor density:** Not available

**Relative density:** 1.00 @ 60°F (15.56°C)

**Solubility:** Complete

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

**Auto-ignition Temperature:** 260°C (500°F)

**Decomposition Temperature:** Not available

**Viscosity:** Not available

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## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available.

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

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

**Conditions to avoid:** Extreme temperatures.

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

**Hazardous decomposition products:** Oxides of phosphorous, 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
Sodium sulfonate	LD50 Oral	Rat	>5000 mg/kg
	LD50 Dermal	Rabbit	>2,000 mg/kg
Alkyl alkanolamine	LD50 Oral	Rat	4,250 mg/kg
	LD50 Dermal	Rabbit	>2,000 mg/kg
Alky phosphate	LD50 Oral	Rat	>2,000 mg/kg
	LD50 Dermal	Rabbit	>2,000 mg/kg
2-aminoethanol	LD50 Oral	Rat	1,515 mg/kg
	LD50 Dermal	Rabbit	2,504 mg/kg
Alcohols, C12-15, ethoxylated propoxylated	LD50 Oral	Rat	1,900 mg/kg
	LD50 Dermal	Rabbit	>2,000 mg/kg
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

known significant effects or critical hazards.

**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****Exotoxicity:**

Component	Test	Species	Dose
2-aminoethanol	LC50, 96h EC50, 48h	Cyprinus carpio Daphnia magna	349 mg/L 65 mg/L
4-(2-Nitrobutyl)morpholine	LC50, 96h EC50, 48h	Oncorhynchus mykiss Daphnia magna	1.1 mg/L 3.23 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**

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:** Not regulated as a dangerous good.

**IMDG:** Not regulated as a dangerous good.

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## 15. REGULATORY INFORMATION

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

**United State 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)

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** Yes

**Fire Hazard:** No

**Sudden Release of Pressure Hazard:** No

**Reactive Hazard:** 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 Regulations

#### California Proposition 65

**Warning:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient Name	Cancer	Reproductive
Diethanolamine	Yes	No



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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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