



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Dyna-Plex 21C Kleen-Eze 555-UC

Heavy duty cutting oil

Product Code: 14878

Miller Industrial Fluids, A PetroChoice Company

1751 W. Raymond Street

Indianapolis, Indiana 46221

Website: 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)

2. HAZARDS IDENTIFICATION

OSHA/HCS Status:

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical Hazards: Not classified

Health Hazards: Not classified

Environmental Hazards: Not classified

Signal Word: No signal word

Hazard Statement: No known significant effects or critical hazards.

GHS Symbol: *No symbol*

Precautionary Statements

Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Disposal: Not applicable
Other Hazards: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: None
Formula: Mixture
Other means of identification: None
CAS Number/other identifiers: Not applicable

Component	CAS Number	Concentration %
Tetrapotassium pyrophosphate	7320-34-5	1-9
Nonylphenol, ethoxylated	9016-45-9	1-9

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:

May cause irritation to respiratory system, skin and eyes.

Indication of any immediate medical attention and special treatment needed:

If necessary, treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Use dry chemical, foam, carbon dioxide (CO₂) or water spray or water fog.

Unsuitable extinguishing media

None known.

Special hazards arising from this mixture

Thermal decomposition products include oxides of carbon and nitrogen. May generate noxious and toxic gases. Downwind personnel must be evacuated.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, emergency procedures

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

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.

Environmental precautions

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

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

OSHA

Material	Type	Value	Form
Tetrapotassium pyrophosphate	TWA	5 mg/m ³	Mist, respirable fraction
	TWA	15 mg/m ³	Mist, total dust

ACGIH

Material	Type	Value	Form
Tetrapotassium pyrophosphate	TWA	5 mg/m ³	Respirable fraction

NIOSH

Material	Type	Value	Form
Tetrapotassium pyrophosphate	TWA	5 mg/m ³	Respirable fraction

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-butyl-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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear and pink

Physical state: Liquid

Odor: Citrus

Odor Threshold: Not available

pH: 8-10

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: 1.01 @ 60°F (15.56°C)

Solubility (water): Complete

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

Auto-ignition Temperature: Not available

Decomposition Temperature: Not available

Viscosity: Not available

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: None known

Incompatible materials: Strong acids and oxidizing agents.

Hazardous decomposition products: Oxides of phosphorous, carbon, nitrogen and potassium

11. TOXICOLOGICAL INFORMATION

Information on the 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 irritation 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
Tetrapotassium pyrophosphate	LD50 Oral	Rat	>4640 mg/kg
Nonylphenol, ethoxylated	LD50 Oral	Rat	3310 mg/kg
	LD50 Dermal	Rabbit	>2,000 mg/kg

Skin Corrosion/Irritation: May be irritating to skin

Serious Eye Damage/Eye Irritation: May be irritating 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

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Component	Test	Species	Dose
Nonylphenol, ethoxylated	LC50, 96h	Fish	1-10 mg/L
Tetrapotassium pyrophosphate	LC50, 96h	Rainbow Trout	>100mg/L

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

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.

14. TRANSPORT INFORMATION

DOT: Not regulated as a dangerous good.

IMDG: Not regulated as a dangerous good.

15. REGULATORY INFORMATION

U.S. Federal Regulations

This product is not 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 (311/312)

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
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 Regulatory Status

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

No products were found

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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