SAFETY DATA SHEET CP4214

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT: CP4214-320 **HMIS:** **H** **F** **R**
CHEMICAL NAME/FAMILY: POLYOL ESTER **0** **1** **0**
OTHER NAME: Refrigerant Oil
DISTRIBUTOR: NATIONAL REFRIGERANTS, INC.
ADDRESS: 11401 Roosevelt Boulevard Phila., Pa. 19154
INFORMATION: 800-262-0012 **EMERGENCY:** 800-424-9300
DATE: 3/2015 **PREPARER:** Matt Callahan

2. HAZARDOUS IDENTIFICATION

CLASSIFICATION: Not classified according to 29 CFR 1910.1200 (2012)

OTHER HAZARDS: SKIN AND EYE CONTACT: Prolonged contact may cause minor skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS#	WEIGHT
Lubricant	Proprietary	100%

*no hazardous ingredients

COMMON NAMES AND SYNONYMS
Refrigerant Oil

There are no stabilizers or impurities that contribute to the classification of the material identified in section 2

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. If conscious, give 2 glasses of water and consult physician. May cause nausea and diarrhea.

Skin: Upon contact with skin, wash exposed area with soap and water.

Inhalation: Product is not toxic by inhalation. If oil mist is inhaled, remove to fresh air and consult physician.

Eye Contact: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Dry Chemical; $C0_2$ Foam; Water Spray (fog)

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedures: Toxic fumes, gases or vapors may evolve on burning. Firefighters should use NIOSH/MNSA- approved self-contained breathing apparatus. Use water to cool fire-exposed containers. Use water carefully near exposed liquid to avoid frothing and splashing of hot liquid.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Stop the source of the spill. Dike the spill area. Use absorbent materials to soak up fluid (i.e. sand, sawdust, commercially available materials). Wash the spill area with large amounts of water. Properly dispose of all materials.

Personal Precautions: Wear suitable protective equipment, especially goggles.

7. HANDLING AND STORAGE

Handling Precautions: Do not take internally. Avoid contact with skin, eyes, and clothing. Upon contact with skin, wash exposed area with soap and water. If product enter the eyes, flush with water for 15 minutes and consult a physician. Wash contaminated clothing before reuse.

Storage Requirements: Keep container tightly sealed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust.

Situations to Avoid: Avoid breathing oil mists.

Respiratory Protection: Use in well ventilated area.

Hand Protection / Protective Gloves: Not required, but recommended, especially for prolonged exposure.

Eye/Face Protection: Safety glasses or goggles.

Threshold Limit Value: Not determined.

9. PHYSICAL AND CHEMICAL PROPERTIIES

APPEARANCE:	Clear to yellow/brown liquid
ODOR:	Mild, distinct
ODOR THRESHOLD:	Not determined
PH:	Not applicable
MELTING POINT/FREEZING POINT:	Not applicable
BOILING POINT:	>650 F
FLASH POINT:	>291˚C (520˚F) ASTMD92
EVAPORATION RATE:	Nil
FLAMMABILITY:	Not applicable
LEL/UEL:	Not applicable
VAPOR PRESSURE:	<0.01 mmHg @ 20 C
VAPOR DENSITY:	Not determined
RELATIVE DENSITY:	0.99-1.03 (water = 1)
SOLUBILITY:	Insoluble
PARTITION COEFFICIENT	
n-Octanol/water:	Not applicable
AUTO IGNITION TEMPERATURE:	Not Determined
DECOMPOSITION TEMPERATURE:	Not determined
VISCOSITY:	Not Determined

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatible Materials: Strong oxidizers

Conditions to Avoid: Excessive heat

Hazardous Decomposition Products: Analogous compounds evolve carbon monoxide, carbon dioxide, and other unidentified chemicals when burned.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

- ACUTE EXPOSURE –

Eye Irritation	Not expected to cause eye irritation. Based on data from components or similar materials
Skin Irritation	Not expected to be a primary skin irritant. Based on data from components or similar materials.
Respiratory Irritation	No data available to indicate product or components may cause respiratory irritation under normal workplace conditions and good industrial hygiene practices.
Dermal Toxicity	The LD50 in rabbits is >200 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity	No data available to indicate product or components may be a toxic inhalation hazard.
Oral Toxicity	The LD50 in rats is >5000 mg/Kg. Based on data from components or similar materials.

Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers.

- CHRONIC EXPOSURE –

Chronic Toxicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity	No data available to indicate either product or components present at greater than 0.1% that may **cause reproductive** toxicity.
Teratogenicity	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

- ADDITIONAL INFORMATION –

Other	No other health hazards known.

12. ECOLOGICAL INFORMATION

- ENVIRONMENTAL TOXICITY –

Freshwater Fish Toxicity	The acute LC50 is 100-1000 mg/L based on component data.
Freshwater Invertebrates Toxicity	The acute EC50 is >1000 mg/L based on component data.
Algal Inhibition	The acute EC50 is > 1000 mg/L based on component data.
Saltwater Fish Toxicity	Not determined
Saltwater Invertebrates Toxicity	Not determined
Bacteria Toxicity	The acute EC50 is 100 – 1000 ppm based on component data.
Miscellaneous Toxicity	Not determined

- ENVIRONMENTAL FATE –

Biodegradation	This product is expected to biodegrade rapidly based on OECD 301-type test data for its components.
Bioaccumulation	25% or greater of the components display no potential to bioconcentrate.
Soil Mobility	Not determined.

13. DISPOSAL CONSIDERATIONS

Incinerate this product and all associated wasted in a licensed facility in accordance with appropriate Federal, State, and local regulations

14. TRANSPORATION INFORMATION

DOT Classification: This product is not regulated by DOT.

15. REGULATORY INFORMATION

This material is not a hazardous waste under RCRA Regulation 40 CFR 261.

16. OTHER INFORMATION

HMIS:	H	F	R
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