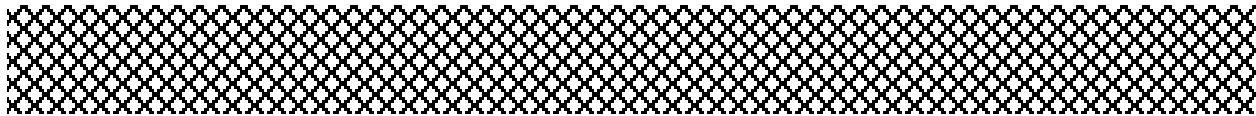




MATERIAL SAFETY DATA SHEET



PRODUCT: CP4214-320

HMIS: H F R

CHEMICAL NAME/FAMILY: POLYOL ESTER

0 1 0

DISTRIBUTOR: NATIONAL REFRIGERANTS, INC.

ADDRESS: 11401 Roosevelt Boulevard Phila., Pa. 19154

INFORMATION: 800-262-0012

EMERGENCY: 800-424-9300

DATE: 10/09

PREPARER: Ray Madariaga

COMPOSITION / INFORMATION ON INGREDIENTS

Proprietary Formulation

CAS#: Proprietary

HAZARDS IDENTIFICATION

This material has no known hazards under applicable laws. The product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.

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.

FIRE-FIGHTING MEASURES

Flash Point (Cleveland Open Cup): > 530 deg. F

Flammable Limits: Not Determined

Auto ignition Temperature: Not Determined

Extinguishing Media: Dry Chemical; CO2 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.

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.

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.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Threshold Limit Value: Not determined.

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.

Ventilation: Local exhaust.



PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State: Clear liquid

Odor: Mild, distinct

Specific Gravity: (H₂O=1) 0.99-1.03

Solubility in Water: Insoluble

Evaporation Rate (butyl acetate=1): Nil

Color: Gray to yellow or light brown tint

Boiling Point: >650 deg. F

Vapor Pressure: <0.01 mmHg @ 20 deg. C

Precent Volatiles: 0%

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.

DISPOSAL CONSIDERATIONS

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

TRANSPORT INFORMATION

DOT Classification: This product is not regulated by DOT.

REGULATORY INFORMATION

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

DISCLAIMER

INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AT THE TIME OF PREPARATION. NO WARRANTY IS MADE CONCERNING THE ACCURACY AND NO LIABILITY SHALL BE MADE FOR CLAIMS FOR USE OR RELIANCE OF THE RECOMMENDATIONS CONTAINED HEREIN.