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EMERGENCY: INFOTRAC 1-800-535-5053 24 HOURS/DAY, 7 DAYS/WEEK

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I – PRODUCT IDENTIFICATION

Product Name: R&O 220

Generic ID: Petroleum Based – Lubricating Oil

DOT Hazard Classification: Non-hazardous

SECTION II – COMPONENTS

If present, IARC, NTP, and OSHA carcinogens and chemicals subject to the reporting requirements of Sara Title III, Section 313 are identified in this section.

| INGREDIENT | OSHA TWA | ACGIH TWA | UNIT |
|--|-----------------|------------------|-------------|
| Severely Refined Heavy Paraffinic Petroleum Oil | | | |
| CAS#: 64741-88-4 | 5 | 5 | MG/M3 |
| Severely solvent Refined Residum | | | |
| CAS#: 64742-01-7 | 5 | 5 | MG/M3 |
| Hydrotreated Heavy Paraffinic Oil | | | |
| CAS#: 64742-54-7 | 5 | | |
| Additional Exposure Limits – Government Regulation | | | |
| Oil Mist 5 MG/M3 (OSHA PEL/ACGIH TLV) | | | |

SECTION III – PHYSICAL DATA

Boiling Point: 425 ° F

Vapor Pressure: Not applicable

Specific Gravity: 0.88 (Water = 1)

Vapor Density: 10+ (Air = 1)

Evaporation Rate: 1000X Slower than ether

Percent Volatiles: Nil

Appearance: Dark amber liquid

State: Liquid

Odor: Slight odor

SECTION IV – FIRE AND EXPLOSION INFORMATION

Flash Point: > 490 minimum COC (° F); 256 Minimum COC (° C)

Autoignition Temp: 745 estimated (° F); 396 estimated (° C)

Explosive Limit: Not determined % volume.

Fire and Explosive Hazards: Can be made to burn (flash point greater than 200° F)

Hazardous Decomposition Products: Carbon Monoxide and asphyxiants.

Extinguishing Media: Dry chemical, carbon dioxide, regular foam, and water spray.

Fire Fighting Procedures: Wear a self-contained breathing apparatus. Wear structural fire fighters protective clothing.

Special Fire and Explosion Hazards: Product of combustion includes fumes, smoke, and carbon monoxide.

NFPA Codes: HEALTH – 0 FLAMMABILITY – 1 REACTIVITY – 0

SECTION V – HEALTH HAZARD DATA

Acute Overexposure:

Test on similar materials show a low order of acute toxicity. May cause reversible eye and skin irritation. Prolonged skin exposure may cause dermatitis or oil acne. Breathing mists may cause dizziness or pulmonary irritation. Ingestion may cause cramps or diarrhea.

Chronic Overexposure: Non-carcinogenic

Emergency First Aid Procedures:

Inhalation: Not likely to occur except as mist. Remove person to fresh air and consult a physician. If breathing is difficult give oxygen. If not breathing give artificial respiration.

Eyes: Flush immediately with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.

Skin: Thoroughly wash with soap and water. If irritation or rash develops, consult a physician.

Ingestion: Do not induce vomiting. Consult a physician.

SECTION VI- REACTIVITY DATA

Hazardous Polymerization: Can't occur

Stability: Stable

Incompatibility: Strong oxidizers. Never permit oil to get in an oxygen regulator.

SECTION VII – SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case material is Released or Spilled: Shut off ignition sources.

Contain spill and keep from entering waterways or sewers. Large quantities may be pumped. Small quantities may be soaked up on oil absorbents. Consult your SPCC Plan.

Waste Disposal: Dispose of according to current local, state, and federal regulations. Materials may become hazardous waste through use. If permitted, incineration may be practical. Consider recycling.

SECTION VIII – PROTECTIVE EQUIPMENT TO BE USED

Respiratory Protection: Normally not required if adequate ventilation. If exposure limit is exceeded, NIOSH/MSHA approved apparatus is required.

Ventilation: If mists are present, provide adequate ventilation to control level below the permissible exposure limit (PEL).

Protective Gloves: Oil resistant; neoprene or plastic.

Eye Protection: Safety glasses or splash goggles are recommended.

Other Protective Equipment: If there is a likelihood of oil splashing, an oil resistant apron should be worn to prevent clothing contamination.

SECTION IX – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Never wear oil soaked clothing. Launder or dry-clean before wearing. Discard oil soaked shoes. Affix proper warning labels on containers in accordance with 29 CFR 1910.1200.

SECTION X – LABEL INFORMATION

Caution!! May cause eye and skin irritation. Inhalation of mist may cause irritation of nasal and respiratory passages.

Handling & Storage: Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers may contain explosive vapors.

First Aid:

Eyes: Flush with water for at least 15 minutes. Call a physician.

Skin: Wash with soap and water. If rash develops, call a physician.

Inhalation: If affected, remove person to fresh air. If breathing gets difficult, give oxygen. If breathing stops, give artificial respiratory.

Ingestion: Do not induce vomiting. Consult a physician immediately.

Prepared By: Sharon L. Haiser

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