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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)

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**SECTION I – PRODUCT IDENTIFICATION**

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**Product Name: R&O 32**  
**Generic ID:** Petroleum Hydrocarbon  
**DOT Hazard Classification:** Non-hazardous

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**SECTION II – COMPONENTS**

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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.

<b>INGREDIENT</b>	<b>% (BY WEIGHT)</b>	<b>NOTE</b>
Light Naphthenic Distillate CAS#: 64742-53-6 PEL: No Data	TLV: 5 mg/m <sup>3</sup>	As a mist
Heavy Naphthenic Distillate CAS#: 64742-52-5 PEL: No Data	TLV: 5 mg/m <sup>3</sup>	As a mist

**PROPRIETARY:**

Additive treat is a proprietary package based on zinc chemistry (<0.17.ZN).

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**SECTION III – PHYSICAL DATA**

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<b>PROPERTY</b>	<b>REFINEMENT</b>	<b>MEASUREMENT</b>
<b>Boiling Point:</b>		> 500.00° F
<b>Vapor Pressure:</b>		Negligible
<b>Specific Gravity:</b>		0.9
<b>Specific Vapor Density</b>	(Air = 1)	> 5.0
<b>Solubility in Water:</b>	Not Soluble	
<b>Evaporation Rate:</b>	Negligible	
<b>Appearance:</b>	Clear, Pale Straw to Yellow	
<b>Odor:</b>	Mineral oil	
<b>State:</b>	Liquid	

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**SECTION IV – FIRE AND EXPLOSION INFORMATION**

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**Flash Point:** 302 ° F min. (150 ° C) Pensky-Martens closed cup. Material may ignite at or above the flash point if an ignition source is present.

**Explosive Limit:** Not applicable

**Hazardous Decomposition Products:** Carbon Monoxide and other combustion products of hydrocarbons.

**Extinguishing Media:** Dry chemical, carbon dioxide, water fog, and foam.

**Fire Fighting Procedures:** Use water to spray to cool containers exposed to flames. Fire fighting personnel should wear respiratory protection (positive pressure if available). Water, fog, and foam may cause frothing and spattering.

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

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

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**SECTION V – HEALTH HAZARD DATA**

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**Acute Overexposure:** Test on similar material shows 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

**First Aid:**

**Inhalation:** Not likely to occur except as mist. Remove individual 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:** Wash thoroughly with soap and water. If irritation or rash develops, consult a physician.

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

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**SECTION VI- REACTIVITY DATA**

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**Hazardous Polymerization:** Can't occur

**Stability:** Stable

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

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**SECTION VII – SPILL OR LEAK PROCEDURES**

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**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.

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**SECTION VIII – PROTECTIVE EQUIPMENT TO BE USED**

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**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.

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**SECTION IX – SPECIAL PRECAUTIONS OR OTHER COMMENTS**

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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.

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**SECTION X – LABEL INFORMATION**

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**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 individual to fresh air. If breathing gets difficult, give oxygen. If breathing stops, give artificial respiratory.

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

\*\*\*\*\* COMPONENTS APPEAR IN SECTION II \*\*\*\*\*

**Prepared By:** Aida B. Maxsam

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**Supersedes:**

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