

**RAIMOL HYDRO T 46****TURBINE OIL 46****Identification of the Substance/Preparation and Company Undertaking**

Product Name: RAIMOL HYDRO T 46

Product Information: Turbine Oil 46

Company Name: Rainchem International, Inc.

Address: 4015 Le Cul de Sac Street, Sun Valley, Paranaque City

Phone Number: (632)403-8297

**Composition/Information on Ingredients**

Chemical Name	CAS Number
Hydrocarbons with Additives	
Zinc Dialkyl Dithiophosphate	68457-79-4
Rust and Oxidation	Chemical Compound
Proprietary Additive	Chemical Compound

**Risk Phrases and Symbol**

RAI 1 = Irritating to eyes

RAI 2 = Irritating/Harmful to respiratory system

RAI 3 = Irritating to skin

**Hazards Identification**

Health: Lubricating Oils may cause any skin disease or respiratory illness.

Skin Contact: RAI 3

Eye Contact: RAI 1

Inhalation/Ingestion: RAI 2 (Have no harmful effect in normal temperature and atmospheric pressure).

**First-Aid Measures**

Skin Contact: Directly contact to the skin! Remove contaminated clothing/shoes. Rinse with water and wash thoroughly with soap. If irritations occur get medical attention promptly to prevent any serious injury.

Eye Contact: Immediately rinse with water for at least 15 minutes. If irritations occur, medical attention is required.

Ingestion: Do not induce Vomiting! In general, no treatment is necessary unless huge quantities of products are ingested, however medical advice is necessary.

Inhalation: Avoid unnecessary actions without the prior attention of the medical team or just simply remove the victim to open area and provide oxygen to avoid any Respiratory failure.

**Fire Fighting Measures**

Extinguishing Media: Dry chemical foam

Halogen chemical-carbon dioxide

Fire: Flash Point: 210°C

Ignition Point: No information found

Fire Fighting Protective Equipment: All materials will not burn unless preheated. Do not go into confined fire spaces without full bunker gear. Wear appropriate personal protective suites such as helmet with face shield, bunker coats, glove and rubber boots.

**Accidental Release Measures**

Personal Precautions: Wear appropriate personal protective suites/equipment such as helmet with face shield, bunker coats, glove and rubber boots.

Environmental Precautions: Prevent entry into waterways, sewer, basements or confined areas.

Method for Cleaning Up: Isolated hazard area. Keep unnecessary and unprotected personnel from arriving. Recover the liquid if possible. Use non sparking tools and equipment's. Do not use combustible materials, such as sawdust.

**Handling and Storage**

Handling: Keep in tightly closed container

Storage: Do not store in open or unlabelled containers

**Exposure Control/Personal Protection**

Engineering Measures: The level of protection and types of controls necessary will vary depending upon potential exposure conditions.

**Control Measure to Consider**

No special requirements under ordinary conditions of use and with adequate ventilation (local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area). Please refer to the ACGIH document, Industrial Ventilation, Manual of Recommended Practices most recent edition, for details.

Respirators: Use and maintenance must be in accordance with regulatory requirements if applicable. Supplied air respirators with an escape bottle maybe appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Eye Protection: Safety glasses with the side shields are fully recommended.

Personal Protective Equipment: Vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation.

**Physical and Chemical Properties**

Appearance:	Clear
Odour:	Mild
Color:	<b>Minimum:</b> Light 1.5 <b>Maximum:</b> Light 2.5
Flash Point:	210°C
Pour Point °C:	-18°C
Density (kg/li):	0.860
Solubility (Water):	Insoluble
Viscosity @40:	<b>Minimum:</b> 41.4 cst (centistokes) <b>Maximum:</b> 50.6 cst (centistokes)

**Stability and Reactivity**

Hazardous Reactions: Stable under normal temperature and pressure.

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decompositions: Material does not decompose

**Toxicology Information**

Direct or prolonged skin contact with certain lubricating oils can cause mild skin irritation characterized by drying, crackling or oil acne. Injection under the skin cause a wound in muscle and run into the blood stream cause inflammation, swelling, fever, and systematic effects, including mild Central Nervous System depression and severe tissue damage.

**Ecological Information**

Environmental Mobility: Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

Environmental Degradability: Expected to be persistent.

Eco-toxicity and bioaccumulation: It has a component that expected to be harmful to aquatic organism. Long term adverse effects to aquatic organisms are possible exposure is maintained.

**Disposal Considerations**

Product and Contaminated Packaging: Dispose of the Products in accordance with the Local and/or National Regulations.

**Transport Information**

Not regulated

**Regulatory Information**

Classification and Labelling Danger Symbol: None

Danger Label: None

Safety Phrases: None

**Other Information**

This MATERIAL SAFETY DATA SHEET deals with the health and safety information. The product should be used in applications specified in the product 's Technical Data Sheet. For any others uses, exposures should be assessed so that appropriate handling practices and training programs can be established to certify safe workplace operations.

*RAIMOL is a trademark of Rainchem International, Inc. Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture. The information contained herein is subject to change without notice. For more information, contact your RAIMOL area distributor or visit [www.aimol.com](http://www.aimol.com)*