

RAIMOL NS-DIE LUBE**NON SILICON DIE CASTING LUBRICANT****Identification of the Substance/Preparation and Company Undertaking**

Product Name: RAIMOL NS-DIE LUBE

Product Information: Non Silicon Die Casting Oil

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
Residual Oils, Petroleum Hydrotreated	64742-57-0
Hydrotreated Heavy Naphthenic	64742-52-5
Water	772-18-5

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: **Minimum:** 212°C**Maximum:** 225°C

Ignition Point: No information found

Smoke of Combustion: NO₂,SO₂,CO₂, Oxidized Substance of Cl

Reactivity with Water: Soluble in Water, Nin Reactivity

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

Airborne Exposure Limits; D.E.A. : ACGIH TLV-TWA 3ppm, 15mg/m³

Oil mist : OSHA PEL-TWA 5mg/m³

HEXYLENE GLYCOL: ACGIH TLV ceiling mist 25ppm, 125mg/m³

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

Control Measure to Consider

If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particular respirator (NIOSH type P95 or R95 filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type P100 or R100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. Please note that N filters are not recommended for this material. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.

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: Opaque, Liquid

Colour: Milky White Emulsion

Physical State: Liquid

Odour: Mild

Flash Point: None

Temperature Tolerance: Do not freeze

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

Acute inhalation & oral toxic:

LD50 : 280MG/KG RAT.

Eye: 0.4 %, Moderate

Acute Toxicity :Inhalation : Mouse in the vapors for 2 hours. None

Local effects :Skin : Rabbit, None

Eye : Rabbit, None

Chronic Toxic : No information found

Variation Toxic : No information found

Next generation effects : No information found.

Carcinogenic effects : No information found.

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.raimol.com