



MATERIAL SAFETY DATA SHEET

Date: 11-20-13 /#MSDS ALLFLEET R&O Oil

MANUFACTURER: RelaDyne
3310 Alice St
Houston TX 77021

PHONE NUMBERS

GENERAL INFORMATION: (713) 747-7411
Transportation Emergency: (800) 424-6321 (CHEMTREC)

CHEMICAL FAMILY: Petroleum lubricant containing organic and metallo-organic compounds.
SYNONYMS or TRADE NAMES: Hydraulic Oil,
CAS REGISTRY NUMBER: complex mixture; CAS # not applicable
NFPA RATINGS: HEALTH:1 FLAMMABILITY:1 REACTIVITY:0
NPCA-HMIS RATINGS: HEALTH:1 FLAMMABILITY:1 REACTIVITY:0

Personal Protection ratings to be supplied by user depending on user's conditions.

WHMIS CLASSIFICATION: This is not a WHMIS controlled product.

Solvent Dewaxed Heavy Paraffinic	64742-65-0	> 98 %
Petroleum Distillate (Lube Oil Base Stock)		
Proprietary additives (Non-Hazardous.)		Not Applicable < 2 %
BOILING POINT (deg.F):	645	SPECIFIC GRAVITY(H20=1): 0.0879
VAPOR PRESSURE (mmhg):	ND	POUNDS PER GALLON @ 60F: 7.34
VAPOR DENSITY (AIR=1):	>1	SOLUBILITY IN WATER : INSOLUBLE
% VOLATILE BY VOLUME :	NA	VISCOSITY (cSt @ 100C): wide range
EVAPORATION RATE		pH : Neutral
(n-BUTYL ACETATE=1):	neg.	ODOR : MILD HYDROCARBON
CONGEALING, or		FORM : AMBER LIQUID
MELTING (degf):	-10	COLOR : 1.5 (ASTM D-1500)

STABLE

OXI-POLERMAZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: FLAME, EXTREME HEAT, SPARKS, AND STRONG OXIDANTS
MAY INCLUDE CARBON MONOXIDE, CO2, AND OXIDES OF SULFUR AND NITROGEN AS
COMBUSTION PRODUCTS.

Water Spray. Foam. Dry Chemical. CO2. Water or Foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures. Consult fire protection authorities or appropriate specialists to plan response strategy. Products of combustion may contain carbon monoxide, carbon dioxide and other toxic materials.

Do not enter enclosed or confined space without proper protective equipment including respiratory protection. "Empty" containers contain residues which can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Proper Shipping Name: PETROLEUM LUBE OIL, NOIBN

Hazard Class : N/A
UN/NA Number : N/A
DOT Label(s) : N/A
DOT Placard : N/A

Proper Shipping Name: NOT REGULATED

Extreme exposure or aspiration into the lungs may cause pneumonia. Overexposure may cause weakness, headache, nausea, confusion, blurred vision, drowsiness, and other nervous system effects; greater exposure may cause dizziness, slurred speech, flushed face, unconsciousness or convulsions. This product contains petroleum hydrocarbons and, as with many petroleum products, it may cause irritation to the eyes, lungs, or skin after prolonged or repeated exposure. It is highly unlikely that human exposure at or below the recommended exposure level poses a significant health hazard. In this regard, good workplace practices and proper engineering designs will minimize exposure. IARC, NTP, OSHA, or ACGIH lists none of the components in this material as a carcinogen.

TLV (ACGIH): None Established

PEL (OSHA) : 5 mg/m3 for oil mist in air

Other: Exposure limit for Petroleum Distillate:

PEL: 400 ppm; 1600 mg/m3 - 8 Hr. TWA

Wash thoroughly after handling. Wash clothing after use. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

In case of contact, immediately wash skin with soap and water. Wash contaminated clothing before reusing. Discard oil-soaked clothing. If irritation develops, consult a physician.

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

If swallowed, do not induce vomiting. Call a physician. Keep away from heat, sparks, and flames. Keep container tightly closed. Ground container when pouring. Do not mix with strong oxidizers. General mechanical ventilation normally adequate.

Select appropriate NIOSH-approved respiratory protection where necessary to maintain exposures below acceptable limits. See Health Hazard Information section.

Should be worn when any potential exists for skin contact. Chemical-resistant (NBR, Neoprene) types are recommended.

Use chemical-resistant splash goggles or face shield when splashing or eye contact may occur.

Sufficient to minimize skin exposure. Use chemical-resistant apron or other impervious clothing to avoid contaminating regular clothing which could result in prolonged or repeated skin contact. Launder contaminated clothing before reuse. Extremely contaminated leather shoes should be discarded.

NOTE: Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with clean up.

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

Remove source of heat, sparks, flame, impact, friction or electricity.

Dike spill. Prevent liquid from entering sewers, waterways, or low areas. Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Recover unusable free liquid and dispose of in an approved and permitted incinerator.

Store in accordance with National Fire Protection Assn. regulations.

Acute : na Chronic : na Fire : na Reactivity : na Pressure : na

FEDERAL REGULATIONS

CERCLA, 40 CFR 302

The material is not known to contain any ingredient(s) subject to the act.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA),

TITLE III - SECTIONS 302, 304, 313

SECTION 302/304 - Extremely Hazardous Substances, 40 CFR 355

The material is NOT known to contain any extremely hazardous substances at greater than 1,0% concentration; however, it is possible that this material may contain extremely hazardous substances at a lower concentration so that a large enough spill could warrant an Emergency Release Report under Sect. 304.

SECTION 313 - List of Toxic Chemicals, 40 CFR 372

The material is NOT known to contain chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and is subject to toxic chemical release reporting requirements.

TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 261

This material is listed in the TSCA inventory of Chemical Substances and/or is otherwise in compliance with TSCA.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 261,

The material, when discarded or disposed of, is NOT listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable or reactive according to U.S. EPA definitions (40 CFR 261). This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If it becomes a hazardous waste, then regulations 40 CFR 262-266 and 268 may apply.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT 40 CFR 116.4A, SECTION 311

The material contains the following ingredient(s) which is considered hazardous if spilled in navigable waters.

Ingredient: Reportable Quantity: Petroleum Hydrocarbon Film or sheen upon or discoloration of the water surface or adjoining shoreline.

HAZARDOUS MATERIALS TRANSPORTATION REGULATIONS, 49 CFR 171-178

The material is NOT known to contain any ingredient(s) subject to the act.

FOREIGN REGULATIONS CANADIAN HAZARDOUS PRODUCTS ACT (WHMIS)

This material is NOT a WHMIS controlled product.

STATE REGULATIONS

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 ("PROPOSITION 65")

The material is NOT known to contain ingredient(s) subject to the act.

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT

The material contains the following substances found on the Pennsylvania Hazardous Substance List:

Ingredient(s):	CAS Reg. No.	Category:
Solvent Dewaxed Heavy	64742-65-0	Petroleum Distillates

Non-hazardous ingredient(s) information is withheld as a trade secret in accordance with Section 11 of the act.

The above data are based on tests, experience, and other information, which Seaboard believes reliable, and are supplied for informational purposes only. However, some ingredients may have been purchased or obtained from third-party manufacturers. In these instances, Seaboard, in good faith, relies on information provided by those third parties. Since conditions of use are outside our control, RELADYNE DISCLAIMS ANY LIABILITY FOR DAMAGE OR INJURY WHICH RESULTS FROM USE OF THE ABOVE DATA. NOTHING CONTAINED HEREIN SHALL CONSTITUTE A GUARANTEE, WARRANTY (INCLUDING WARRANTY OF MERCHANTABILITY) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY RELADYNE WITH RESPECT TO THE DATA, THE MATERIAL DESCRIBED, OR ITS USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO RELADYNE.

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END OF MATERIAL SAFETY DATA SHEET