

Talen's Marine & Fuel LLC. Material Safety Data Sheet

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Used Oil
Part Number: none **Chemical Family:** Petroleum Oil; Used Lubricants

Manufacturer's Name: Various
Address: 225 Pleasant Street Lake Arthur La 70549
Product/Technical Information Phone Number: 337-774-0467
Medical/Handling Emergency Phone Number: 337-774-0467
Transportation Emergency Phone Number: 337-774-0467

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SECTION 2 – COMPOSITION INFORMATION

<u>Chemical Name</u>	<u>Percent by Weight</u>	<u>CAS#</u>
Petroleum Oil	90-99	Mixture
Water	1-10	7732-18-5

SECTION 3 – HAZARDS IDENTIFICATION

Appearance & Odor: Black liquid with a petroleum odor

Emergency Overview: Class IIIA combustible liquid. Oil may contain other foreign particles and contaminants. Not expected to be a severe health hazard. No definitive toxicological data available for used oil products. Fuel oils and other virgin oils generally represent a low order of acute toxicity to humans and experimental animals. Properly dispose of contaminated material that cannot be decontaminated. Contact federal, state, and local agencies for spill reporting and disposal requirements.

Fire & Explosion Hazards: Class IIIA combustible liquid.

Primary Route(s) of Exposure: skin and inhalation of vapors

Inhalation – Acute Effects: Exposure to oil mists can cause upper respiratory tract irritation, pulmonary irritation, central nervous system effects, irritation of the mucous membranes, and if exposures are excessive, headaches, dizziness, nausea and drowsiness may result.

Skin Contact – Acute Effects: Slightly toxic if absorbed. Exposure to oil mists can cause skin irritation.

Eye Contact – Acute Effects: Exposure can cause eye irritation, redness, and tearing. Oil may contain other foreign particles and contaminants.

SECTION 3 – HAZARDS IDENTIFICATION (cont.)

Ingestion – Acute Effects: Ingestion may cause gastrointestinal disturbances; a burning sensation in the mouth, throat, and stomach followed by vomiting, diarrhea and belching. Aspiration into the lungs can result in blue coloration of the skin, rapid heartbeat, fever and chemical pneumonia possibly followed by a secondary infection.

SECTION 4 – FIRST AID MEASURES

Inhalation First Aid: Remove affected person from area to fresh air and provide oxygen if breathing is difficult. Give artificial respiration only if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention.

Skin Contact First Aid: Immediately remove clothing from affected area and wash skin for 15 minutes with soap and water. Clothing should be discarded or washed before reuse. Obtain medical assistance if irritation develops. Do not neutralize affected skin area.

Eye Contact First Aid: Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyes open. Contacts should be removed during flushing. Do not neutralize. If irritation occurs, seek medical attention.

Ingestion First Aid: If victim is alert and not convulsing rinse mouth with water and give plenty of water to drink. If spontaneous vomiting occurs, have affected person lean forward with head down to avoid breathing in vomitus. Rinse mouth again and give more water to drink. Obtain medical attention

Medical Conditions Aggravated: Pre-existing skin disorders.

Note to Physician: none

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point/Method: > 140°F PMCC

Auto Ignition Temperature: 475°F

Upper/Lower Explosion Limits: 5%, 0.7%

Extinguishing Media: Dry chemical, CO2, Foam

Fire Fighting Procedures: Handle as a petroleum fire. Product is lighter than water and will float on the surface.

Fire & Explosion Hazards: Class IIIA Combustible liquid.

Hazardous Products of Decomposition and/or Combustion: Decomposition products include oxides of carbon, nitrogen and sulfur; and hydrogen cyanide.

NFPA Ratings:

HEALTH-1 FLAMMABILITY-2 REACTIVITY-0 OTHER-none

SECTION 6 – ACCIDENTAL RELEASE MEASURES

 Remove all sources of ignition. Notifications may be required. Contact EPA or state environmental agency. Respond with trained personnel. Use caution when cleaning up spills. Handle as a petroleum spill. Follow used oil standards. Contain and recover free liquid. Do not allow material to enter sewers and waterways. Do not dump into any sewers, on the ground or into any body of water. All disposal methods must be in compliance with all Federal, State, Local, and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid skin contact. Use proper personal protective equipment when handling this material. Wash skin if exposure occurs.
Storage: Combustible material. Do not transfer to unmarked containers. Store containers away from heat or sources of ignition.
General Comments: Recycle all used oil products whenever possible. Handle as fuel oil.

SECTION 8 – PERSONAL PROTECTION/ EXPOSURE CONTROL

Respiratory Protection: Concentration in air determines the need for respiratory protection. If air concentration exceeds OSHA occupational exposure limits, use a respirator to prevent exposure. In accordance with 29 CFR 1910.134 use either a NIOSH-approved air-supplying respirator or an air-purifying respirator for organic vapors and particulate.
Skin Protection: Wear gloves (PVC, Neoprene, Viton, Nitrile) and other protective clothing as required to minimize skin contact. Launder soiled clothing.
Eye Protection: Wear safety glasses or goggles to avoid eye contact.
Ventilation Protection: Ventilation recommended when working in confined spaces and or when working with heated oil.
Other Protection: Safety shower availability is recommended. Safety showers, with quick opening valves which stay open, and eye wash fountains, or other means of washing the eyes with a gentle flow of cool to tepid tap water, should be readily available in all areas where this material is handled or stored. Water should be supplied through insulated and heat-traced lines to prevent freeze-ups in cold weather.
Exposure Limits:

<u>Component (CAS#)</u>	<u>OSHA-PEL</u>		<u>ACGIH-TLV</u>	
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>
Petroleum Hydrocarbons ¹	5 mg/m ³	10 mg/m ³	5 mg/m ³	10 mg/m ³
1 – TWA as Oil Mist				

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Black, with a petroleum odor
Vapor Pressure: > air
Vapor Density (Air=1): <1

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES (cont.)

Boiling Point: 260-260°F	Melting Point: not applicable
Specific Gravity: 899	Solubility in Water: Nil
Volatile Percentage: not determined	pH: 6-8
Flash Point/method: >140°F PMCC	Auto Ignition Temperature: 475 °F
Upper/Lower Explosion Limits: 5%, 0.7% Other: none	

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Incompatibilities: Can react vigorously with oxidizing materials when heated.

Polymerization: Will not occur.

Decomposition: Decomposition products include oxides of carbon, nitrogen and sulfur; and hydrogen cyanide.

Conditions to Avoid: Avoid heat, open flames, oxidizing materials and mist formation. Consult local fire code.

SECTION 11 – TOXICOLOGICAL INFORMATION

Inhalation – Acute: Normal use conditions will not produce mist. However, exposure to oil mists can cause upper respiratory tract irritation, pulmonary irritation, central nervous system effects, irritation of the mucous membranes, and if exposures are excessive, headaches, dizziness, nausea and drowsiness may result.

Inhalation – Chronic: Prolonged and repeated exposures to oil mist may pose risk of pulmonary disease such as chronic lung inflammation. This condition is typically asymptomatic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms. Aspiration may lead to chemical pneumonitis.

Skin Contact – Acute: Slightly toxic if absorbed (LD50 >2000mg/kg for virgin oil). Exposure to mineral oil mists can cause skin irritation.

Skin Contact – Chronic: Prolonged or repeated contact may cause various skin disorders such as dermatitis, folliculitis, or oil acne.

Eye Contact – Acute: Exposure can cause eye irritation, redness, and tearing.

Ingestion – Acute: Ingestion may cause gastrointestinal disturbances; a burning sensation in the mouth, throat, and stomach followed by vomiting, diarrhea and belching. Aspiration into the lungs can result in blue coloration of the skin, rapid heartbeat, fever and chemical pneumonia possibly followed by a secondary infection.

Ingestion – Chronic: Ingestion of large amounts may cause headache, drowsiness, nausea, vomiting or diarrhea.

Carcinogenicity/Mutagenicity: IARC has determined there is sufficient evidence to suspect carcinogenicity. Some studies may have shown skin cancer in laboratory animals when repeatedly applied to bare skin and left on skin between applications. Many studies confirm that poorly refined oil can induce skin and scrotal cancers after prolonged, repeated and heavy direct contact with the skin.

Reproductive Effects: There are no known reproductive effects.

Neurotoxicity: This product will affect the nervous system.

Other Effects: No other toxic effects of this product are known.

SECTION 11 – TOXICOLOGICAL INFORMATION (cont.)

Target Organs: Target organs include the skin, eyes and respiratory system.

SECTION 12 – ECOLOGICAL INFORMATION

Contain with absorbents and carthen berms. Contains petroleum.

SECTION 13 – DISPOSAL CONSIDERATIONS

Free liquid may be returned to USFilter for processing and recycling. Subject to approval. Consult local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Shipping Description:

Petroleum Oil, N.O.S., Combustible Liquid, 3, NA 1270, PG III

This product is only regulated in bulk containers of 119 gallons or more.

SECTION 15 – REGULATORY INFORMATION

Resource Conservation Recovery Act (RCRA): Used oil as defined under 40 CFR 279 and applicable state regulations.

Clean Water Act (CWA): This product is classified as oil under Section 311 of the CWA. Spills entering (a) surface waters or (b) any water courses or sewers entering / leading to surface waters that cause a sheen must be reported to the National Response Center at 1-800-424-8802.

SECTION 16 – OTHER INFORMATION

Disclaimer: The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the user thereof. It is the buyer's responsibility to ensure that its activities comply with federal, state, provincial and local laws.