

Material Safety Data Sheet

Jack Oil

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Not classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name Markaline Pty Ltd (ABN 82 232 174 656)
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IDENTIFICATION

Product Code JO
Product Name Jack Oil
Proper Shipping Name None Allocated
UN Number None Allocated
DG Class None Allocated
Packing Group None Allocated
Hazchem Code None Allocated
Poisons Schedule Not Scheduled
Product Use Mineral oil based fluids for use in hydraulic systems.

Physical Data

Appearance A straw coloured liquid.
Boiling Point Not available.
Vapour Pressure Not available
Specific Gravity 0.88
Flash Point Closed cup: 150-200°C
Flamm. Limit LEL Not available.
Flamm. Limit UEL Not available.
Solubility in Water Insoluble

Other Properties

Corrosiveness Not corrosive to aluminium.
Autoignition Temp. > 400°C
Stability Stable under normal conditions of storage and handling.
Haz. Polymerization Will not occur.
Materials to Avoid Strong oxidising agents.
Formula Mixture.

Ingredients

Ingredients Name	CAS	Proportion
Ingredients determined not to be hazardous	Not required	100%

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed May cause irritation to the gastrointestinal system.
Symptoms may include nausea, vomiting, diarrhoea and abdominal pain.
Vomiting may lead to aspiration into the lungs with a possibility of a type of pneumonia.

Acute - Eye May cause slight to moderate eye irritation, resulting in redness and stinging.

Acute - Skin May dry and defat the skin, resulting in skin irritation and possible dermatitis. Grease accidentally injected under the skin can result in local necrosis and tissue damage.

Acute - Inhaled May cause irritation to the mucous membrane and upper airways, especially if mists are generated or material is heated.

Chronic Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

First Aid

Swallowed DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Seek medical attention.

Eye If contact with the eye(s) occur, wash with copious amounts of water for approximately 15 minutes holding eyelids(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists seek medical attention.

Skin Remove all contaminated clothing. Wash gently and thoroughly with water and soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops and persists seek medical attention. Should grease be accidentally injected under the skin no matter how minor, seek IMMEDIATE medical attention.

Inhaled Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If irritation develops and persists seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Other Information NOTE: High Pressure Applications: Injections under the skin resulting from contact with high pressure, constitutes a major medical emergency. Injuries may not appear serious at first but within a few hours, tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that the high pressure may force the product considerable distance along tissue.

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However, Exposure Standards for oil mist are listed below. SUBSTANCE TWA STEL ppm mg/m³ ppm mg/m³ Oil mist, mineral - 5 - 10 Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short-term exposure limit (STEL).

Eng. Controls Natural ventilation should be adequate under normal use conditions. Where vapours or mists are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

Personal Protection

Respirator Type (AS 1716) Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist (Type P1) filters. Filter capacity and respirator type depends on exposure levels.

Eye Protection Chemical goggles or face shield if needed to protect eyes.

Glove Type PVC or nitrile recommended.

Clothing Impervious protective clothing recommended.

Flammability

Fire Hazards Classified as a Class C2 (Combustible liquid). Remove all sources of heat and ignition.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Classified as a C2 combustible liquid for storage and handling purposes. Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid temperatures above 150°C. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS1940- The storage and handling of flammable and combustible liquids.

Transport Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Handling Repeated or prolonged skin contact with lubricants and industrial oils should be avoided in order to lessen the possibility of skin disorders. When using a pressure grease gun, avoid injecting grease under the skin, as this may have very serious consequences. Should grease be accidentally injected under the skin no matter how minor, seek IMMEDIATE medical attention. Avoid breathing mist or vapour. It is essential that all who come into contact with lubricants and industrial oils maintain high standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Build-up of oil mists in the working atmosphere must be prevented.

Proper Shipping Name None Allocated

Spills and Disposal

Spills & Leaks SMALL - 20 LITRES OR LESS Soak up on Diatomaceous Earth or similar inert oil absorbent. Arrange for disposal through an approved facility. LARGE - GREATER THAN 20 LITRES Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but

contain. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Disposal Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

Fire/Explosion Hazard

Fire/Explos. Hazard Class C2 Combustible liquid.

Hazardous Decomposition or Byproducts Smoke, fumes, oxides of carbon.

Fire Fighting Procedures Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing should be worn.

Extinguishing Media Carbon dioxide, dry chemical, foam or water fog. Use water as fog or spray to cool fire exposed containers. Do not use direct stream of water; product will float, possibly re-ignite on surface of water.

Hazchem Code None Allocated

OTHER INFORMATION

Toxicology No toxicity data is available for this product.

Environment Protection Prevent this material from entering the environment.

Empirical Formula & Structural Formula Mixture.

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End of MSDS

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