

FUJIDA PETROLEUM JELLY

Colorless and Odorless Grease



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PETROLEUM JELLY
REVISION 2.0 : 18 NOV 2017

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: Petroleum Jelly
Product Description: Base Oil and Additives
Intended Use: Grease

COMPANY IDENTIFICATION

Supplier : JC HARDY TRADING CO PTE LTD
38 Woodlands Ind. Pk. E1
#02-09 Singapore 757700
Tel: (65)64815522, Fax: (65)64823683
Email : enquiry@jchardy.com.sg

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

No Reportable Hazardous Substance(s) or Complex Substance(s).

SECTION 3: HAZARDS IDENTIFICATION

This material is not considered to be hazardous according to regulatory guidelines see Section 15.

HEALTH EFFECTS

Low order of toxicity. High-pressure injection under skin may cause serious damage.

NFPA Hazard ID:	Health : 0	Flammability: 0	Reactivity: 0
HMIS Hazard ID:	Health: 0	Flammability:0	Reactivity: 0

Note: This material should not be used for any other purposes than the intended use in Section 1 without expert advice.

SECTION 4: FIRST AID MEASURES

INHALATION

At ambient/normal handling temperatures, minimal or no irritation due to inhalation of vapor/mist is expected. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

SKIN CONTACT

Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

EYE CONTACT

Flush thoroughly with water. If irritation occurs, get medical assistance.

INGESTION

First aid is normally not required. Seek medical attention if discomfort occurs.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media: Straight streams of water.

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Sulphur Oxides, Smoke, Fume, Aldehydes, Incomplete combustion products, Oxides of carbon.

FLAMMABILITY PROPERTIES

Flash Point [Method] : >168°C

Flammable Limits (Approximate volume % in air): LEL : N/D UEL:N/D

Autoignition Temperature: N/D

SECTION 6: ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

SPILL MANAGEMENT

Land spill: Allow spilled material to solidify and shovel it up into a suitable container for recycle or disposal. Scrape up spilled material with shovels into a suitable container for recycle or disposal.

Water spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Skim from surface.

Water and land spill recommendations are based on the most likely spill scenario for this material;

ENVIRONMENTAL PRECAUTIONS

Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7: HANDLING AND STORAGE
--

HANDLING

Prevent small spills and leakage to avoid slip hazard.

STORAGE

Do not store in open or unlabelled containers.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION
--

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

ENGINEERING CONTROLS

The level of protection and types of control necessary will vary depending upon potential exposure conditions. Control measures to consider: no special requirements under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: No protection is ordinarily required under normal conditions of use and with adequate ventilation.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: No protection is ordinarily required under normal conditions of use.

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practise good housekeeping.

ENVIRONMENTAL CONTROLS

See Sections 6,7,12,13

SECTION 9:	PHYSICAL AND CHEMICAL PROPERTIES
-------------------	---

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data

GENERAL INFORMATION

Physical State: Fluid
Form : semi-fluid
Colour : Translucent white
Odour : None
Odour Threshold: N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 25°C) : 0.8
Flash Point[Method] (°C) : >168
Melting Point (°C) : 58
Vapor Pressure (kPa at 25°C): Not determined
Water solubility : soluble
Fat solubility : Not determined

Note: Most physical properties above are for the oil component in the material.

SECTION 10:	STABILITY AND REACTIVITY
--------------------	---------------------------------

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat. High energy sources of ignition.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11:	TOXICOLOGICAL INFORMATION
--------------------	----------------------------------

ACUTE TOXICITY

<u>ROUTE OF EXPOSURE</u>	<u>CONCLUSION/REMARKS</u>
INHALATION	
Toxicity(Rat):LC50>5000mg/m ³	Minimally Toxic. Based on assessment of the components
Irritation: No end point data	Negligible hazard at ambient/normal handling temperatures. Based on assessment of the components.
INGESTION	
Toxicity(Rat):LD50>2000mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
SKIN	
Toxicity(Rabbit):LD50>2000mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Irritation(Rabbit): Data available	Negligible irritation to skin at ambient temperatures. Based on assessment of the components.
EYE	
Irritation(Rabbit): Data available	May cause mild, short-lasting discomfort to eyes. Based on assessment of the components.

CHRONIC/OTHER EFFECTS

Contains:

Base oil severely refined: Not carcinogenic in animal studies.

Additional information is available by request.

SECTION 12:	ECOLOGICAL INFORMATION
--------------------	-------------------------------

The information given is based on data available for the material, the components of the material and similar materials.

ECOTOXICITY

Material: Not expected to be harmful to aquatic organisms.

MOBILITY

Base oil component: Low solubility and floats, and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

PERSISTENCE AND DEGRADABILITY

Biodegradation:

Base oil component: Expected to be inherently biodegradable.

BIOACCUMULATION POTENTIAL

Base oil component: Has the potential to bio-accumulate, however metabolism or physical properties may reduce the bio-concentration or limit bio-availability.

SECTION 13:	DISPOSAL CONSIDERATIONS
--------------------	--------------------------------

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperature to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. **DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

SECTION 14:	TRANSPORT INFORMATION
--------------------	------------------------------

Not dangerous for conveyance under UN, IMO, ADR/RID AND IATA/ICAO codes.

SECTION 15:	REGULATORY INFORMATION
--------------------	-------------------------------

EC Classification: Not classified as Dangerous under EC Criteria

EINECS (EC) : All components are listed or polymer exempt

TSCA (USA) : All components are listed

Other information: For listing on other inventories, e.g MITI (Japan), AICS (Australia) and DSL (Canada), please consult suppliers.

SECTION 16:	OTHER INFORMATION
--------------------	--------------------------

Uses and restrictions : Odorless and colorless grease suitable for used in areas whereby operating temperatures are low and/or clean room environment.

The information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be constructed as guaranteeing any specific property of the product.