



MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: T-51 Prelube

Manufacturer Name:
Federal Mogul Corporation, Southfield
26555 Northwestern Highway
Southfield MI 48034

24hr Emergency Phone (Infotrac): 1-800-535-5053
International: 001-352-323-3500

Non-Emergency Phone: 248-354-9844

Intended Use: Oil Seal Prelube

2 HAZARDS IDENTIFICATION

Emergency Overview

Physical State: Gel

Color: Yellowish brown

Odor: Petroleum

WARNING!

Causes skin, eye and respiratory irritation.

Potential Health Effects

Inhalation: Irritating to respiratory system. Exposed may experience sore throat and coughing.

Eye Contact: Irritating to eyes. Exposed may experience eye tearing, redness, and discomfort.

Skin Contact: Irritating to skin. Exposure may cause redness, itching and inflammation.

Ingestion: May cause discomfort if swallowed.

Target Organ(s): | Eye | Respiratory system | Skin |

OSHA Regulatory Status: When used for its intended purpose, this material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

Environment: The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Concentration*
†Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	20 - 60%
†Residual oils (petroleum), solvent-refined	64742-01-4	20 - 60%
†1-Hexadecanol	36653-82-4	20%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. † This chemical is hazardous according to OSHA/WHMIS criteria.

4 FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing stops, provide artificial respiration. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation persists after washing.

Skin Contact: Immediately flush thoroughly with water for at least 15 minutes. Get medical attention if irritation persists after washing.

Ingestion: Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media: None.

Special Fire Fighting Procedures: Use standard firefighting procedures and consider the hazards of other involved materials.

Unusual Fire & Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide

Protective Measures: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Flammability Class: NFPA Rating Fire = 1

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid inhalation of vapors and spray mist and contact with skin and eyes. See Section 8 of the MSDS for Personal Protective Equipment.

Spill Cleanup Methods: Absorb spillage with non-combustible, absorbent material. Collect in containers and seal securely.

Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

Notification Procedures: Inform Authorities if large amounts are involved.

7 HANDLING AND STORAGE

Handling: All handling to take place in well-ventilated area. Avoid inhalation of vapors and spray mist

and contact with skin and eyes.

Storage: Store in a cool and well-ventilated place. Keep containers tightly closed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	Source	Type	Exposure Limits	Notes
Distillates (petroleum), solvent-refined heavy paraffinic	US. OSHA Table Z-1	TWA	500 ppm 2000 mg/m ³	

Engineering Controls: Adequate ventilation should be provided so that exposure limits are not exceeded. Use process enclosures, local exhaust ventilation, or other engineering controls to control sources of dust, mist or vapor. Provide easy access to water supply and eye wash facilities.

Respiratory Protection: Respiratory protection must be used if air contamination exceeds acceptable level. Use a NIOSH-approved respirator (See 29 CFR 1910.134, respiratory protection standard).

Eye Protection: Wear safety glasses with side shields (or goggles).

Hand Protection: Wear chemical-resistant gloves. Contact glove manufacturer for specific information.

Skin Protection: Wear apron or protective clothing in case of contact.

Hygiene Measures: Do not eat, drink or smoke when using the product. 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

Color: Yellowish brown

Odor: Petroleum

Odor Threshold: No data available.

Physical State: Gel

pH: Not applicable

Melting Point: No data available.

Freezing Point: No data available.

Boiling Point: No data available.

Flash Point: No data available.

Evaporation Rate: No data available.

Flammability Limit - Upper (%): No data available.

Flammability Limit - Lower (%): No data available.

Vapor Pressure: No data available.

Vapor Density (Air=1): No data available.

Specific Gravity: No data available.

Solubility in Water: No data available

Solubility (Other): No data available.

Partition Coefficient (n-Octanol/water): No data available.

Autoignition Temperature: No data available.

Decomposition Temperature: No data available.

10 STABILITY AND REACTIVITY

Stability: This product is stable under expected conditions of use.

Conditions to Avoid: Avoid exposure to high temperatures or direct sunlight.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products:

At Elevated Temperatures:	Carbon Dioxide, Carbon Monoxide
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Possibility of Hazardous Reactions: Will not occur.

11 TOXICOLOGICAL INFORMATION

Specified Substance(s)

Acute Toxicity:

Component Chemical Name	Test Results
1-Hexadecanol	Dermal LD50 (Rabbit): >2600 mg/kg
1-Hexadecanol	Oral LD50 (Rat): 5 g/kg

Listed Carcinogens: None

Product Information

Other Acute: Causes skin, eye and respiratory irritation.

Chronic Toxicity: No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

12 ECOLOGICAL INFORMATION

Ecotoxicity: The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Mobility: No data available.

Persistence and Degradability: No data available.

Bioaccumulation Potential: No data available.

Other Adverse Effects: No data available.

13 DISPOSAL CONSIDERATIONS

General Information: Dispose in accordance with applicable federal, state, and local regulations.

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

Container: Since emptied containers retain product residue, follow label warnings even after container is

emptied.

14	TRANSPORT INFORMATION
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DOT Not Regulated

TDG Not Regulated

IATA Not Regulated

IMDG Not Regulated

15	REGULATORY INFORMATION
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Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

WHMIS Classification: D2B

Mexican Dangerous Statement: This is a Mexican "dangerous" product.

Inventory Status: All ingredients are either listed or exempt from listing on EINECS, DSL or TSCA.

US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): None

SARA Title III

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): None

Section 311/312 (40 CFR 370):

☒ Acute (Immediate) ☐ Chronic (Delayed) ☐ Fire ☐ Reactive ☐ Pressure Generating

Section 313 Toxic Release Inventory (40 CFR 372): None

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None

Drug Enforcement Act: None

TSCA: No component is listed on TSCA Sections 4(a), 5(a)(2), 5(e) or 12(b).

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): None

Massachusetts Right-To-Know List: None

Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act

(Act. 451 of 1994)): None

Minnesota Hazardous Substances List: None

New Jersey Right-To-Know List: 1-Hexadecanol

Pennsylvania Right-To-Know List: Distillates (petroleum), solvent-refined heavy paraffinic

Rhode Island Right-To-Know List: None

16	OTHER INFORMATION
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HAZARD RATINGS

	Health Hazard	Fire Hazard	Reactivity Hazard	Special Hazard
NFPA	1	1	0	0

	Health Hazard	Fire Hazard	Reactivity Hazard	Personal Protection
HMIS	1	1	0	H

0 - Minimal; 1- Slight; 2 - Moderate; 3 - Serious; 4 - Severe

H - Goggles, Gloves, Apron & Vapor Respirator

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Disclaimer: The information provided on this data sheet was abstracted from supplier material safety data sheets and standard references in occupational health and toxicology. Federal-Mogul makes no representation or warranty with respect to the information obtained from such references. The information is however, as of the date provided, true and accurate to the best of Federal-Mogul's knowledge, and should be used to make an independent determination of the methods to safeguard workers and the environment.