



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)  
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.



Sincerely,

Product Stewardship Team  
Zep Inc.



**IDEMITSU**

# SAFETY DATA SHEET

Product Name:	PPE
Apolloil Autolex A, Drum	 

Revision Date: 09-Jun-2017

Revision Number: 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

Product Name: Apolloil Autolex A, Drum

#### Other means of identification

Product Code: 38010120-95100C020

Synonyms: Not available

### 1.2 Recommended use of the chemical and restrictions on use

Recommended Use: Lubricating Grease

Uses advised against: No information available

### 1.3. Details of the supplier of the safety data sheet

Supplied by: Idemitsu Lubricants America Corporation, 701 Port Rd., Jeffersonville, IN. 47130 Telephone: 812-285-8234, Fax: 812-285-8243, Contact Name: Robin Hutchens, Email: sds@ilacorp.com

Manufactured by: IDEMITSU KOSAN CO., LTD  
3-1-1 MARUNOUCHI CHIYODA-KU  
TOKYO JAPAN  
PHONE: +81-3-3213-3143

24 Hour Emergency Phone Number: Within USA and Canada: 1 800-424-9300  
Outside USA and Canada: + 1 703-741-5970 (collect calls accepted)

**2. HAZARDS IDENTIFICATION****2.1 Classification**

This material is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and WHMIS 2015

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Not classified
Acute Toxicity - Inhalation (Gases)	Not classified
Acute Toxicity - Inhalation (Vapors)	Not classified
Acute Toxicity - Inhalation (Dusts/Mists)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration toxicity	Not classified
Physical Hazards	Not classified
Physical Hazards	None

**2.2. Label elements**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Hazards not otherwise classified (HNOC)**

Not applicable

**2.3 Other information**

**Other hazards**

• Harmful to aquatic life

**Unknown acute toxicity**

7.58 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable

**3.2 Mixtures****Non-Hazardous Components**

Chemical Name	CAS No.	Weight-%
Mineral Base Stock	MIXTURE	75-85

**4. FIRST AID MEASURES****4.1 4.1 First Aid Measures**

<b>General Advice</b>	If symptoms persist, call a physician. Take a copy of the Safety Data Sheet when going for medical treatment.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. 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.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.
<b>Ingestion</b>	Do not induce vomiting without medical advice. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. If symptoms persist, call a physician.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with eyes, skin and clothing.

#### 4.2 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	No information available.
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#### 4.3 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	NFPA: Class IIIB Combustible Liquid
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#### 5.1 Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

#### **Unsuitable Extinguishing Media:**

Do not use a solid water stream as it may scatter and spread fire.

#### 5.2 Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

#### **Hazardous combustion products:**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and / or irritating. Combustion products may include and are not limited to:  
Carbon oxides  
Calcium Oxides (CaOx)  
Zinc oxides

#### 5.3 Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. Ensure adequate ventilation. Remove all sources of ignition.
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## 6.2 Environmental Precautions

<b>Environmental Precautions</b>	See section 12 for additional ecological information. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.
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## 6.3 Methods and material for containment and cleaning up

<b>Methods for Clean-up</b>	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
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## Spill Management

<b>LARGE SPILLS</b>	Eliminate sources of ignition. Prevent additional discharge of material if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 15 Regulatory Information) notify the National Response Center.
<b>WATER SPILLS</b>	Prevent liquid entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent. If liquid is too viscous for pumping, scrape up. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Do not breathe vapors or spray mist. Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment. Use personal protection recommended in Section 8. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Should not be released into the environment.
<b>Safe Handling Advice</b>	Handle in accordance with good industrial hygiene and safety practices.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage</b>	Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place.
<b>Technical measures/Precautions</b>	Ensure adequate ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.
<b>Incompatible Materials and/or Coatings</b>	No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Other Exposure Guidelines (If Generated)**

Chemical Name	OSHA PEL	ACGIH TLV	ACGIH OEL (STEL)	NIOSH REL TWA	ILA IHG	ILA ROEG	ILA Internal Exposure Limit
Oil mist, mineral	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>		TWA 5 mg/m <sup>3</sup> ST 10 mg/m <sup>3</sup>			

**8.2 Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**Personal Protective Equipment****Eye/face protection**

Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

**Skin protection**

Choose the appropriate protective clothing / gloves based on the tasks being performed to avoid exposed skin surfaces. **Glove Type:** Neoprene, Nitriles

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

When using, do not eat, drink or smoke. Clean equipment, work area and clothing regularly.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	Light Brown
Physical State	Paste
Odor	Characteristic
Odor Threshold	No information available
pH	Not applicable
Melting point / melting range	Not applicable
Boiling point / boiling range	No information available
Flash Point	200 °C / 392 °F COC ASTM D92
Evaporation Rate	No information available
Flammability Limit in Air	No information available
Explosion Limits	No information available
Vapor Pressure	No information available
Vapor Density (Air)	>1.0 (Air = 1)
Density	0.95 g/cm <sup>3</sup> @15°C
Solubility	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature	No information available
Decomposing Temperature	No information available

Other Information

DMSO extract by IP346

Less than 3.0 wt% (mineral oil component only)

**10. STABILITY AND REACTIVITY**10.1 Reactivity

Reactivity

The product is chemically stable

10.2 Chemical stability

Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerisation does not occur.

10.4 Conditions to Avoid

Conditions to Avoid

Heat, flames and sparks.

10.5 Incompatible Materials

Incompatible Materials

Strong oxidizing agents.

10.6 Hazardous Decomposition Products

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors.

**11. TOXICOLOGICAL INFORMATION**11.1 Information on likely routes of exposure

Inhalation

May cause irritation of respiratory tract.

Eye contact

May cause irritation.

Skin Contact

May cause skin irritation and/or dermatitis. This material can cause mild skin irritation from prolonged or repeated skin contact. Injection under the skin can cause inflammation and swelling. Injection of pressurized hydrocarbons can cause severe, permanent tissue damage. Initial symptoms may be minor. Injection of petroleum hydrocarbons requires immediate medical attention. Skin contact with hot material may result in severe burns.

Ingestion

May be harmful if swallowed.

11.2 Information on toxicological effects

Symptoms

No information available

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Not classified.

Serious eye damage/eye irritation

Not classified.

**Sensitization** Not classified.

**Mutagenic effects** Not classified.

#### 11.4 Carcinogenicity

**Carcinogenicity** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, OSHA or ACGIH.

**Legend:**

*NTP (National Toxicology Program) ACGIH (American Conference of Governmental Industrial Hygienists) IARC (International Agency for Research on Cancer) OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

**Reproductive Effects** Not classified.

**STOT - single exposure** Not classified.

**STOT - repeated exposure** Not classified

**Aspiration hazard** Not classified.

#### 11.5 Acute Toxicity

**Unknown acute toxicity** 7.58 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

**Product Information (Estimated):**

**ATEmix (oral)** > 5,000 mg/kg

**ATEmix (dermal)** > 8,000 mg/kg

### **12. ECOLOGICAL INFORMATION**

#### 12.1 Ecotoxicity

**Ecotoxicity effects**

Harmful to aquatic organisms. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

**Unknown aquatic toxicity** 8.88 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

12.2 Persistence and degradability No information available.

12.3 Bioaccumulation/Accumulation No information available

12.4. Mobility in soil No information available

PBT and vPvB assessment No information available

12.5 Other adverse effects: No information available

### **13. DISPOSAL CONSIDERATIONS**

Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the



responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

**Waste Disposal Method** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated packaging** Dispose of in accordance with local regulations.

#### 14. TRANSPORT INFORMATION

**DOT - Non bulk** Not regulated

**DOT - Bulk** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

#### 15. REGULATORY INFORMATION

##### International Inventories

<b>TSCA</b>	All ingredients are on the inventory or exempt from listing
<b>DSL</b>	Not all ingredients are listed on the DSL Inventory List
<b>NDSL</b>	There are ingredients listed on the NDSL Inventory List

<u>Chemical Name</u>	<u>NDSL</u>	<u>CAS No.</u>	<u>Weight-%</u>
Lithium Oleate	X	7384-22-7	1-5
Fatty acids, lanolin, calcium salts	X	68424-44-2	<1
<b>EINECS</b>	Does not comply		
<b>ELINCS</b>	Not Listed		
<b>ENCS</b>	All ingredients are on the inventory or exempt from listing		
<b>CHINA</b>	All ingredients are on the inventory or exempt from listing		
<b>KECL</b>	Does not comply		
<b>PICCS</b>	Does not comply		
<b>AICS</b>	Does not comply		
<b>NZIoC</b>	Does not comply		

##### USA

##### Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### SARA 311/312 Hazardous Categorization

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No

**Reactive Hazard**

No

**CERCLA/SARA 302 & 304**

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 355.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CAS No.	Weight-%	U.S. - CWA (Clean Water Act)
Zinc oxide	1314-13-2	<1	X
Zinc Stearate	557-05-1	<1	X

**State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**State Right-to-Know**

Chemical Name	CAS No.	New Jersey
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	X

**New Jersey Worker and Community Right-to-Know Act:**

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Grease)

**Canada**

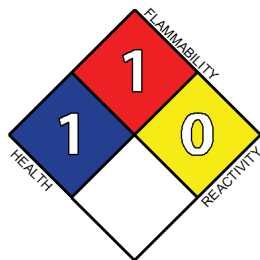
This material has been classified in accordance with the WHMIS 2015 regulation

Chemical Name	CAS No.	Weight-%	NPRI
White mineral oil	8042-47-5	40-50	Listed
2,6-di-tert-butyl p-cresol	128-37-0	<1	Listed

**Legend**

NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION**

NFPA

Health: 1

Flammability: 1

Instability: 0

**Prepared By**

Lakyn Neumeyer

**Revision Date:**

09-Jun-2017

**Revision Summary:**

New product number

**Disclaimer:**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**