

**Safety Data Sheet**  
**Torco MPZ Engine Assembly Lube**



Revision Date:

03/10/2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier** Torco MPZ Engine Assembly Lube

Product Code A550055

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use See Technical Data Sheet.

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

**Manufacturer** TORCO INTERNATIONAL CORP.  
1720 SOUTH CARLOS AVENUE.  
ONTARIO, CA 91761

**Telephone No.** (562) 776-4000

**1.4. Emergency telephone number**  
(800) 424-9300 24hr

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**2.2. Label elements**

Using the Toxicity Data listed in section 11 & 12 the product is labeled as follows.

P273 Avoid release to the environment.

P501 Dispose of contents / container in accordance with local / national regulations.

<b>HMIS</b>	<b>Health:</b>	0	<b>NFPA</b>	<b>Health:</b>	0
	<b>Fire:</b>	1		<b>Fire:</b>	1
	<b>Physical Hazards:</b>	0		<b>Reactivity:</b>	0
	<b>PPE:</b>	C		<b>Special Hazards:</b>	--

### 2.3. Other hazards

This product contains no PBT/vPvB chemicals.

## SECTION 3: Composition/information on ingredients

Ingredient/Chemical Designations CAS Number:	Weight %	EC No. 1272/2008 / GHS Classification
Residual oils (petroleum), solvent dewaxed CAS Number: 0064742-62-7	<60	Not Classified
Olefin Copolymer CAS Number: Proprietary or N/A	<40	Not Classified
Butene, polymer with 2-methyl-1-propene CAS Number: 0009044-17-1	<5	Not Classified
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts CAS Number: 0068442-22-8	<3	Not Classified
Petroleum distillates, hydrotreated light naphthenic CAS Number: 0064742-53-6	<1	Not Classified
Distillate (petroleum) hydrotreated heavy naphthenic CAS Number: 0064742-52-5	<1	Not Classified
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN CAS Number: 0064742-54-7	<1	Asp. Tox. 1;H304

\*The full texts of the phrases are shown in Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General**

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

**Inhalation**

If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.

**Skin**

In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.

**Eye**

In case of contact, immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.

**Ingestion**

Do not induce vomiting. Call a physician or emergency medical facility immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

No data available

**4.3. Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5: Fire-fighting measures****5.1. Extinguishing media**

Use Carbon dioxide (CO<sub>2</sub>), dry chemical, or foam to extinguish flames.

**5.2. Special hazards arising from the substance or mixture**

Hazardous Decomposition Products: May form CO and CO<sub>2</sub>.

**5.3. Advice for fire-fighters**

Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from fire fighting to enter drains or water courses.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe areas. Keep unnecessary personnel away.

**6.2. Environmental precautions**

Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.

**6.3. Methods and material for containment and cleaning up**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or water courses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

Dispose of in accordance with all federal, state, and local environmental regulations.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Handling**

Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation.

**In Storage**

Store in a dry location at room temperature.

Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

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

Keep away from strong oxidizing and reducing agents.

CAUTION!!! Do not use cutting or welding torches on drums, even when empty. Do not reuse container. Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

### 7.3. Specific end use(s)

There are no exposure scenarios, see details in section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The following occupational exposure limits have been established.

CAS Number	Ingredient	Source	Value
0009044-17-1	Butene, polymer with 2-methyl-1-propene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-52-5	Distillate (petroleum) hydrotreated heavy naphthenic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-53-6	Petroleum distillates, hydrotreated light naphthenic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-54-7	PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-62-7	Residual oils (petroleum), solvent dewaxed	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0068442-22-8	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
Proprietary or N/A	Olefin Copolymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10 mg/m<sup>3</sup> ACGIH.

### Carcinogen Data

CAS No.	Ingredient	Source	Value
0009044-17-1	Butene, polymer with 2-methyl-1-propene	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-52-5	Distillate (petroleum) hydrotreated heavy naphthenic	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-53-6	Petroleum distillates, hydrotreated light naphthenic	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-54-7	PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-62-7	Residual oils (petroleum), solvent dewaxed	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0068442-22-8	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
Proprietary or N/A	Olefin Copolymer	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;

**DNEL/PNEC values**

No Data Available

**8.2. Exposure controls**

No special requirements under ordinary conditions of use and with adequate ventilation.

**Eye/face protection**

Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

**Skin protection**

Wear chemical resistant gloves. Gloves should be inspected before each use and discarded if they show tears, pinholes, or signs of wear.

**Other**

Gloves, overalls, apron, boots, or other suitable protective garments should be worn to minimize contact based on the task being performed.

**Respiratory protection**

Use NIOSH/OSHA approved respirator where high vapor concentrations are present.

**Thermal hazards**

No Data Available

<b>SECTION 9: Physical and chemical properties</b>
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<b>Appearance</b>	RED OILY LIQUID
<b>Odor</b>	Petroleum Odor
<b>Odor threshold</b>	Not Determined
<b>pH</b>	Not Determined
<b>Melting point / freezing point (C)</b>	Not Determined
<b>Initial boiling point and boiling range (C)</b>	Not Measured
<b>Flash point (C)</b>	200
<b>Evaporation rate (H2O = 1)</b>	Not Determined
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Lower Explosive Limit:</b>	Not Determined
<b>Upper Explosive Limit:</b>	Not Determined
<b>Vapor pressure (Pa)</b>	Not Determined
<b>Vapor density</b>	Heavier than air.
<b>Relative density</b>	0.8845
<b>Solubility(ies)</b>	negligible
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Determined
<b>Auto-ignition temperature (C)</b>	Not Determined
<b>Decomposition temperature</b>	Not Determined
<b>Viscosity (cSt)</b>	
<b>@ 100 C</b>	Not Measured
<b>@ 40 C</b>	1771 cSt
<b>Pour point temperature (C)</b>	Not Determined
<b>Volatile Organic Compounds</b>	nil
<b>SADT</b>	Not Determined

The data listed above are typical physical and chemical properties that do not constitute product specification.

**9.2. Other information**

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available

**10.2. Chemical stability**

Material is normally stable at ambient temperature and pressure.

**10.3. Possibility of hazardous reactions**

May react with: oxidizing agents.

**10.4. Conditions to avoid**

High temperature, sparks, and open flames.

**10.5. Incompatible materials**

Keep away from strong oxidizing and reducing agents.

**10.6. Hazardous decomposition products**

Hazardous Decomposition Products: May form CO and CO<sub>2</sub>.

**SECTION 11: Toxicological information****Acute toxicity**

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapor LD50, mg/L/4hr
Butene, polymer with 2-methyl-1-propene - (0009044-17-1)	Not Available	Not Available	Not Available
Distillate (petroleum) hydrotreated heavy naphthenic - (0064742-52-5)	>5,000, Rat	5,000.00, Rabbit	Not Available
Olefin Copolymer - (Proprietary or N/A)	5,000.00,	2,000.00,	Not Available
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN -	>5,000, Rat	>5,000, Rabbit	Not Available



(0064742-54-7)			
Petroleum distillates, hydrotreated light naphthenic - (0064742-53-6)	>5,000, Rat	Not Available	Not Available
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts - (0068442-22-8)	Not Available	Not Available	Not Available
Residual oils (petroleum), solvent dewaxed - (0064742-62-7)	Not Available	Not Available	Not Available

Classification	Category	Hazard Description
Acute toxicity (oral)	Not Classified	Not Applicable
Acute toxicity (dermal)	Not Classified	Not Applicable
Acute toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Serious eye damage/irritation	Not Classified	Not Applicable
Respiratory sensitization	Not Classified	Not Applicable
Skin sensitization	Not Classified	Not Applicable
Germ cell mutagenicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive toxicity	Not Classified	Not Applicable
STOT-single exposure	Not Classified	Not Applicable
STOT-repeated exposure	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

## SECTION 12: Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Residual oils (petroleum), solvent dewaxed - (0064742-	Not Available	Not Available	Not Available

62-7)			
Olefin Copolymer - (Proprietary or N/A)	Not Available	Not Available	Not Available
Butene, polymer with 2-methyl-1-propene - (0009044-17-1)	Not Available	Not Available	Not Available
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts - (0068442-22-8)	Not Available	Not Available	Not Available
Petroleum distillates, hydrotreated light naphthenic - (0064742-53-6)	Not Available	Not Available	Not Available
Distillate (petroleum) hydrotreated heavy naphthenic - (0064742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN - (0064742-54-7)	Not Available	Not Available	Not Available

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

Not Measured

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

This product contains no PBT/vPvB chemicals.

**12.6. Other adverse effects**

No data available



**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

**SECTION 14: Transport information**

14.1. UN number Not applicable  
 14.2. UN proper shipping name Not regulated  
 14.3. Transport hazard class(es)

US DOT Label Not regulated

ADR/RID Not regulated

IMDG Not regulated

Sub Class Not applicable

ICAO/IATA Not regulated  
 14.4. Packing group Not applicable

#### 14.5. Environmental hazards

ADR/RID Environmentally Hazardous: No - Not regulated

IMDG Marine Pollutant: No - Not regulated

14.6. Special precautions for user  
 No further information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
 Not Applicable

The above transport information is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions. Shipping description may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. For information specific to your situation, consult your company's Hazardous Materials/Dangerous Goods expert.

## SECTION 15: Regulatory information

### National Legislation

United States:

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

SARA 311/312 (>0.1%): Not applicable

**SARA 313 (>0.1%):**

**CERCLA (>0.1%):** Not applicable

**Inventory - Canada - Non-Domestic Substances List (NDSL):**

2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar-heptyl ar',ar"-me derivitives  
Phosphonic acid, diisooctyl ester


**California Proposition 65 Cancer:** Not applicable

**California Proposition 65 Developmental:** Not applicable

**California Proposition 65 Female Reproductive:** Not applicable

**California Proposition 65 Male Reproductive:** Not applicable

**Inventory - Australia - Inventory of Chemical Substances (AICS):**



Amines, N-tallow alkyltrimethylenedi-  
Di(2-ethylhexyl) phosphate  
Distillate (petroleum) hydrotreated heavy naphthenic  
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN  
Petroleum distillates, hydrotreated light naphthenic  
Residual oils (petroleum), solvent dewaxed

**Inventory - Japan Existing and New Chemical Substances (ENCS):**

Di(2-ethylhexyl) phosphate (2-1986)  
Distillate (petroleum) hydrotreated heavy naphthenic ()  
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN ()  
Petroleum distillates, hydrotreated light naphthenic ()  
Phosphonic acid, diisooctyl ester (2-2001)

**Korean Existing Chemicals Inventory:**

Di(2-ethylhexyl) phosphate  
Distillate (petroleum) hydrotreated heavy naphthenic  
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

Petroleum distillates, hydrotreated light naphthenic

Phosphonic acid, diisooctyl ester

**Inventory of Existing Chemical Substances in China:**

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

Petroleum distillates, hydrotreated light naphthenic

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**

Amines, N-tallow alkyltrimethylenedi-

Di(2-ethylhexyl) phosphate

Butene, polymer with 2-methyl-1-propene

Distillate (petroleum) hydrotreated heavy naphthenic

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

Petroleum distillates, hydrotreated light naphthenic

Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts

Residual oils (petroleum), solvent dewaxed

**Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act :** Not applicable

**EU REACH: Annex XVII, Dangerous Substances and Preparations:**

Distillate (petroleum) hydrotreated heavy naphthenic

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

Petroleum distillates, hydrotreated light naphthenic

Residual oils (petroleum), solvent dewaxed

**Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS):**

Amines, N-tallow alkyltrimethylenedi- (263-189-0)

Di(2-ethylhexyl) phosphate (206-056-4)

Distillate (petroleum) hydrotreated heavy naphthenic (265-155-0)

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN (265-157-1)

Petroleum distillates, hydrotreated light naphthenic (265-156-6)

Phosphonic acid, diisooctyl ester (252-873-4)



Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts (270-478-5)

Residual oils (petroleum), solvent dewaxed (265-166-0)

**EU List of Notified Chemical Substances (ELINCS):** Not applicable

**Risk Phrases**

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SECTION 16: Other information**

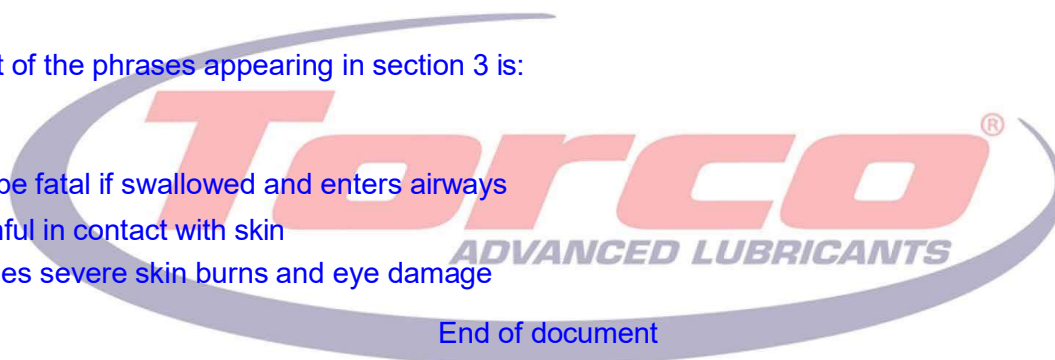
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The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage



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