

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING**

**Product Identifier:** MOREY'S UPPER CYLINDER LUBRICANT & INJECTOR CLEANER

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

Intended use: Refer to Technical Data Sheet

**Details of the supplier of the safety data sheet:**

MOREY OIL SOUTH PACIFIC LTD  
135 HEPBURN ROAD, GLENDENE  
AUCKLAND 0645, NEW ZEALAND

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**SECTION 2 HAZARDS IDENTIFICATION**

**Classification of the substance or mixture:**

Not Classified

**Label Elements:**

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

**Hazard Statement:**

**Precautionary Statements:**

Prevention:	P273	Avoid release to the environment.
Response:	P391	Collect spillage.
Disposal:	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:</b>	0		<b>Reactivity:</b>	0
	<b>Hazards:</b>			<b>Special Hazards:--</b>	
	<b>PPE:</b>	C			

**Other Hazards:**

This product contains no PBT/vPvB chemicals.

**Not classified as hazardous according to the criteria of HSNO New Zealand.**

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

CAS Number	%	Name	EC No. 1272/2008 GHS Classification
0064742-54-7	<60	Petroleum distillates, hydrotreated heavy paraffin	Not Classified
0064742-47-8	<60	Distillates (petroleum), hydrotreated light	Asp.Tox. 1;H304
0064741-86-2	<3	Distillates, petroleum, sweetened middle	Not Classified
0064742-94-5	<3	Naphtha (petroleum), heavy aromatic	Asp.Tox. 1;H304
Proprietary or N/A	<3	Polyether amine	Not Classified
Proprietary or N/A	<3	Proprietary additive	Not Classified

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

**SECTION 4 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.

<b>Skin:</b>	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.
<b>Eye:</b>	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.
<b>Ingestion:</b>	Do not induce vomiting. Call a doctor or emergency medical facility immediately.
<b>Most important symptoms and effects, both acute and delayed.</b>	No data available
<b>Indication of any immediate medical attention and special treatment needed:</b>	No data available

<b>SECTION 5</b>	<b>FIRE FIGHTING MEASURES</b>
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<b>Extinguishing media:</b>	Use carbon dioxide (CO <sub>2</sub> ), dry chemical, or foam to extinguish flames.
<b>Special hazards arising from the substance or mixture:</b>	Hazardous decomposition products. May form CO and CO <sub>2</sub> .
<b>Advice for fire-fighters:</b>	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 firefighting to enter drains or water courses.

<b>SECTION 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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<b>Personal precautions, protective equipment and emergency procedures:</b>	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.
<b>Environmental precautions:</b>	Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.
<b>Methods and material for containment and cleaning up:</b>	Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials. 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 Authority should also be informed. Dispose of in accordance with local environmental regulations.

<b>SECTION 7</b>	<b>HANDLING AND STORAGE</b>
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<b>Precautions for safe handling:</b>	
<b>Handling:</b>	Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapour. Use with adequate ventilation.
<b>In storage:</b>	Store in a dry location at room temperature. Keep this container and vapours from the container away from heat and flame. Keep container closed and maintain all original markings and labels.
<b>Conditions for safe storage including any incompatibilities:</b>	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 vapours. Always obey hazard warnings and handle empty containers as if they were full.
<b>Specific end use(s):</b>	There are no exposure scenarios, see details in section 1.

**SECTION 8****EXPOSURE CONTROLS - PERSONAL PROTECTION****Control parameters:**

The following occupational exposure limits have been established.

CAS NUMBER	INGREDIENT	SOURCE	VALUE
0064741-86-2	Distillates, petroleum, sweetened middle	OSHA ACGIH	No established limit No established limit
0064742-47-8	Distillates (petroleum), hydrotreated light	NIOSH OSHA ACGIH	No established limit No established limit No established limit
0064742-94-5	Naphtha (petroleum), heavy aromatic	NIOSH OSHA ACGIH	No established limit No established limit No established limit
0064742-54-7	Petroleum distillates, hydrotreated heavy paraffin	NIOSH OSHA ACGIH	No established limit No established limit No established limit
Proprietary or N/A	Polyether amine	NIOSH OSHA ACGIH	No established limit No established limit No established limit
Proprietary or N/A	Proprietary additive	NIOSH OSHA ACGIH NIOSH	No established limit No established limit No established limit No established limit

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

**Carcinogen data:**

CAS NUMBER	INGREDIENT	SOURCE	VALUE
0064741-86-2	Distillates, petroleum, sweetened middle	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-47-8	Distillates (petroleum), hydrotreated light	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-94-5	Naphtha (petroleum), heavy aromatic	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-54-7	Petroleum distillates, hydrotreated heavy paraffin	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
Proprietary or N/A	Polyether amine	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No
Proprietary or N/A	Proprietary additive	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;

**DNEL/PNEC values:** No data available

**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 vapour concentrations are present.

**Thermal hazards:** No data available.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	<b>RED OILY LIQUID</b>		
<b>Odour:</b>	Petroleum Odour		
<b>Odour threshold:</b>	Not determined	<b>pH:</b>	Not measured
<b>Melting point/freezing point (C):</b>	Not determined	<b>Initial boiling point and boiling range (C):</b>	>300
<b>Flash point (C):</b>	> 200	<b>Evaporation rate (H20 = 1):</b>	Not determined
<b>Flammability (solid, gas):</b>	Not applicable	<b>Relative density:</b>	0.895
<b>Vapour pressure (Pa):</b>	Not determined	<b>Vapour density:</b>	Heavier than air
<b>Solubility(ies):</b>	negligible	<b>Auto-ignition temperature (C):</b>	Not determined
<b>Decomposition temperature:</b>	Not determined	<b>Pour point temperature (C):</b>	Not determined
<b>Volatile Organic Compounds:</b>	nil	<b>SADT:</b>	Not determined
<b>Viscosity (cSt) @ 100 C:</b>	Not measured	<b>Viscosity (cSt) @ 40 C:</b>	Not measured
<b>Upper/lower flammability or explosive limits</b>			
<b>Lower Explosive Limit:</b>	Not determined	<b>Upper Explosive Limit:</b>	Not determined
<b>Partition coefficient n-octanol/water (Log Kow):</b>	Not determined		

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

**Other information:**

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

**SECTION 10 STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Material is normally stable at ambient temperature and pressure.
<b>Possibility of hazardous reactions:</b>	May react with oxidising agents
<b>Conditions to avoid:</b>	High temperature, sparks and open flames.
<b>Incompatible materials:</b>	Keep away from strong oxidising and reducing agents.
<b>Hazardous decomposition products:</b>	May form CO and CO2.

**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.

<b>Ingredient</b>	<b>Oral LD50, mg/kg</b>	<b>Skin LD50, mg/kg</b>	<b>Inhalation vapour LD50, mg/L/4hr</b>
Petroleum distillates, hydrotreated heavy paraffin – (0064742-54-7)	>5,000, Rat	>5,000, Rabbit	Not Available
Distillates (petroleum), hydrotreated light – (0064742-47-8)	>5,000, Rat	>2,000, Rabbit	Not Available
Distillates, petroleum, sweetened middle – (0064741-86-2)	Not Available	Not Available	Not Available
Naphtha (petroleum), heavy aromatic – (0064742-94-5)	Not Available	Not Available	Not Available
Polyether amine – (Proprietary or N/A)	Not Available	Not Available	Not Available
Proprietary additive - (Proprietary or N/A)	Not Available	Not Available	Not Available

<b>Classification</b>	<b>Category</b>	<b>Hazard Description</b>
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 sensitisation	Not classified	Not applicable
Skin sensitisation	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

### Toxicity:

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

### Aquatic Ecotoxicity:

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Petroleum distillates, hydrotreated heavy paraffin – (0064742-54-7)	Not Available	Not Available	Not Available
Distillates (petroleum), hydrotreated light – (0064742-47-8)	2.20, Lepomis macrochirus	4,720.00, Dendronereides heteropoda	Not Available
Distillates, petroleum, sweetened middle – (0064741-86-2)	54.00, Jordanella floridae	Not Available	Not Available
Naphtha (petroleum), heavy aromatic – (64742-94-5)	45.00, Pimephales promelas	12.00, Daphnia magna	2.50 (72 hr) Skeletonema costatum
Polyether amine – (Proprietary or N/A)	Not Available	Not Available	Not Available
Proprietary additive - (Proprietary or N/A)	Not Available	Not Available	Not Available
<b>Persistence and degradability:</b>	There is no data available on the preparation itself.		
<b>Bioaccumulative potential:</b>	Not measured		
<b>Mobility in soil:</b>	No data available		
<b>Results of PBT and vPvB assessment:</b>	This product contains no PBT/vPvB chemicals		
<b>Other adverse effects:</b>	No data available		

## SECTION 13 DISPOSAL CONSIDERATIONS

**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 TRANSPORTATION INFORMATION

<b>UN Number:</b>	Not applicable
<b>UN proper shipping name:</b>	Not regulated
<b>Transport hazard class(es):</b>	
<b>US DOT Label</b>	Not regulated
<b>ADR/RID</b>	Not regulated
<b>IMDG</b>	Not regulated
<b>Sub class</b>	Not applicable

**Packing group:** Not applicable

### Environmental hazards:

**ADR/RID** Environmentally Hazardous: Yes – Not regulated  
**IMDG** Marine Pollutant: Yes – (Distillates (petroleum), hydrotreated light) - Not regulated

**Special precautions for user:** No further information

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

**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%):** Not applicable**CERCLA (>0.1%):** Not applicable**Inventory – Canada – Non – Domestic Substances List (NDSL):**

Not applicable

**California Proposition 65 Cancer:**

Benzene

Naphthalene

**California Proposition 65 Developmental:**

Benzene

**California Proposition 65 Female Reproductive:**

Not applicable

**California Proposition 65 Male Reproductive:**

Benzene

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

Petroleum distillates, hydrotreated heavy paraffin

Distillates (petroleum) hydrotreated light

Distillates, petroleum, sweetened middle

Naphtha (petroleum), heavy aromatic

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

Petroleum distillates, hydrotreated heavy paraffin ( )

Distillates (petroleum), hydrotreated light ( )

**Korean Existing Chemicals Inventory:**

Petroleum distillates, hydrotreated heavy paraffin

Distillates (petroleum), hydrotreated light

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

Petroleum distillates, hydrotreated heavy paraffin

Distillates (petroleum), hydrotreated light

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

Petroleum distillates, hydrotreated heavy paraffin

Distillates (petroleum), hydrotreated light

Distillates, petroleum, sweetened middle

Naphtha (petroleum), heavy aromatic

**Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act:**

Not applicable

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

Petroleum distillates, hydrotreated heavy paraffin

Distillates, petroleum, sweetened middle

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

Petroleum distillates, hydrotreated heavy paraffin (265-157-1)  
Distillates (petroleum), hydrotreated light (265-149-8)  
Distillates, petroleum, sweetened middle (265-088-7)  
Naphtha (petroleum), heavy aromatic (265-198-5)

**EU List of Notified Chemical Substances (ELINCS):**

Not applicable

**Risk Phrases:**

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways

**This is the first revision of this SDS Format, changes from previous revision not applicable.**

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