

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING**Product Identifier: MOREY'S DIESEL SMOKE KILLER & 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 0602, NEW ZEALAND

Phone number: +649 8139200
Website: www.moreyoil.co.nz
Email: info@moreyoil.co.nz

SECTION 2 HAZARDS IDENTIFICATION**Classification of the substance or mixture:**

Asp. Tox. 1;H304 May be fatal if swallowed and enters airways

Label Elements:

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



Hazard: H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways

Precautionary Statements:

Prevention: P210 Keep away from heat / sparks / open flames / hot surfaces.
No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.

Response: P331 Do not induce vomiting
P332+313 If skin irritation occurs: Get medical advice/attention.
P370 In case of fire, use carbon dioxide (CO2), dry chemical or foam.
P391 Collect spillage.

Storage: P403+235 Store in a well ventilated place. Keep cool.

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

HMIS	Health:	4	NFPA	Health:	4
	Fire:	2		Fire:	2
	Physical:	0		Reactivity:	0
	Hazards:				
	PPE:	C		Special Hazards:-	

Other Hazards:

This product contains no PBT/vPvB chemicals.

HSNO HAZARD CLASSIFICATION: 3.1D

SECTION 3	COMPOSITION / INFORMATION ON INGREDIENTS		
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CAS Number	%	Name	EC No. 1272/2008 GHS Classification
0064741-96-4	<40	Petroleum distillates, solvent-refined heavy naphthenic	Not Classified
0064742-47-8	<20	Distillates (petroleum), hydrotreated light	Asp. Tox. 1;H304
0064742-94-5	<20	Naphtha (petroleum) heavy aromatic	Asp. Tox. 1;H304
0027247-96-7	<10	2-Ethylhexyl nitrate	Not Classified
0000104-76-7	<5	2-Ethylhexanol	Skin Irrit. 2;H315 Eye Irrit. 2;H319
0000091-20-3	<3	Naphthalene	Carc. 2;H351 Acute Tox. 4;H302 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
0064742-54-7	<3	Petroleum distillates, hydrotreated heavy paraffin	Asp. Tox. 1;H304
Proprietary or N/A	<3	Petroleum additive	Not Classified

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The full texts of the phrases are shown in Section 16

SECTION 4	FIRST AID MEASURES		
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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. Seek medical attention immediately. If swallowed, dilute with water. Never give fluids if unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed. No data available

Indication of any immediate medical attention and special treatment needed: No data available

SECTION 5 FIRE FIGHTING MEASURES

- Extinguishing media:** Use carbon dioxide (CO₂), dry chemical, or foam to extinguish flames.
- Special hazards arising from the substance or mixture:** Hazardous decomposition products: May form CO and CO₂.
- 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 firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- 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.
- Environmental precautions:** Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.
- Methods and material for containment and cleaning up:** 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.

SECTION 7 HANDLING AND STORAGE

- Precautions for safe handling:**
- Handling:** Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapour. Use with adequate ventilation.
- In storage:** 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.
- 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 vapours. Always obey hazard warnings and handle empty containers as if they were full.
- Specific end use(s):** 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.

SAFETY DATA SHEET

CODE: 11000-SK

REVISION: 23/10/2024

CAS NUMBER	INGREDIENT	SOURCE	VALUE
0000091-20-3	Naphthalene	OSHA	TWA 10 ppm (50 mg/m3) STEL 15 ppm
		ACGIH	10 ppm TWA 15 ppm STEL
		NIOSH	TWA 10 ppm (50 mg/m3) ST 15 ppm (75 mg/m3)
0000104-76-7	2-Ethylhexanol	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
0027247-96-7	2-Ethylhexyl nitrate	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
0064742-47-8	Distillates (petroleum),hydrotreated light	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
0064741-96-4	Petroleum distillates, solvent-refined heavy 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
0064742-94-5	Naphtha (petroleum) heavy aromatic	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
Proprietary or N/A	Proprietary additive	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit

Contains mineral oil. The exposure limits for oil mist are 5mg/m3 OSHA PEL and 10mg/m3 ACGIH.

Carcinogen data:

CAS NUMBER	INGREDIENT	SOURCE	VALUE
0000091-20-3	Naphthalene	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: Yes; Group 3: No; Group 4: No;
0000104-76-7	2-Ethylhexanol	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0027247-96-7	2-Ethylhexyl nitrate	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064741-96-4	Petroleum distillates, solvent-refined heavy naphthenic	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;
0064742-54-7	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;
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;
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
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Appearance:	GREEN OILY LIQUID		
Odour:	Petroleum odour		
Odour threshold:	Not determined	pH:	Not measured
Melting point/freezing point (C):	Not determined	Initial boiling point and boiling range (C):	Not measured
Flash point (C):	<120	Evaporation rate (H20 = 1):	Not determined
Flammability (solid, gas):	Not applicable	Relative density:	0.908
Vapour pressure (Pa):	Not determined	Vapour density:	Heavier than air
Solubility(ies):	negligible	Auto-ignition temperature (C):	Not determined
Decomposition temperature:	Not determined	Pour point temperature (C):	Not determined
Volatile Organic Compounds:	nil	SADT:	Not determined
Viscosity (cSt) @ 100 C:	Not measured	Viscosity (cSt) @ 40 C:	Not measured
Upper/lower flammability or explosive limits			
Lower Explosive Limit:	Not determined	Upper Explosive Limit:	Not determined
Partition coefficient n-octanol/water (Log Kow):			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
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Reactivity:	No data available
Chemical Stability:	Material is normally stable at ambient temperature and pressure.
Possibility of hazardous reactions:	May react with: oxidising agents
Conditions to avoid:	High temperature, sparks and open flames.
Incompatible materials:	Keep away from strong oxidising and reducing agents.
Hazardous decomposition products:	May form CO and CO2.

SECTION 11	TOXICOLOGICAL INFORMATION
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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 vapour LD50, mg/L/4hr
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2-Ethylhexanol – (0000104-76-7)	Not Available	Not Available	Not Available
2-Ethylhexyl nitrate – (0027247-96-7)	>2,000, Rat	>2,000, Rabbit	6.39, Rat
Distillates (petroleum) hydrotreated light – (0064742-47-8)	>5,000, Rat	>2,000, Rabbit	Not Available
Naphtha (petroleum), heavy aromatic – (0064742-94-5)	Not Available	Not Available	Not Available
Naphthalene – (0000091-20-3)	2,001.00, Rat	2,501.00, Rat	101.00, Rat
Petroleum distillates, hydrotreated heavy paraffin – (0064742-54-7)	>5,000, Rat	>5,000, Rabbit	Not Available
Petroleum distillates, solvent-refined heavy naphthenic – (0064741-96-4)	Not Available	Not Available	Not Available
Proprietary additive – (Proprietary or N/A)	Not Available	Not Available	Not Available

Classification

Acute toxicity (oral)
 Acute toxicity (dermal)
 Acute toxicity (inhalation)
 Skin corrosion/irritation
 Serious eye damage/irritation
 Respiratory sensitisation
 Skin sensitisation
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 STOT – single exposure
 STOT – repeated exposure
 Aspiration hazard

Category

Not classified
 Not classified
 Not classified
 Not classified
 Not classified
 Not classified
 Not classified
 Not classified
 Not classified
 Not classified
 Not classified
 Not classified
 Not classified
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Hazard Description

Not applicable
 Not applicable
 Not applicable
 Not application
 Not applicable
 Not applicable
 Not applicable
 Not applicable
 Not applicable
 Not applicable
 Not applicable
 Not applicable
 Not applicable
 Not applicable
 May be fatal if swallowed and enters airways

SECTION 12**ECOLOGICAL INFORMATION****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
Petroleum distillates , solvent refined heavy naphthenic – (0064741-96-4)	Not Available	Not Available	Not Available
Distillate (petroleum) hydrotreated light – (0064742-47-8)	20.00, Oncorhynchus mykiss	1.40, Daphnia magna	8.30 (72 hr), Pseudokirchneriella subcapitata
Naphtha (petroleum), heavy aromatic – (0064742-94-5)	45.00, Pimephales promelas	12.00, Daphnia magna	2.50 (72hr), Skeletonema costatum
2-Ethylhexyl nitrate – (0027247-96-7)	12.60, Fish (Piscis)	Not Available	0.00 (72 hr),
2-Ethylhexanol – (0000104-76-7)	10.00, Lepomis macrochirus	39.00, Daphnia magna	10.00 (72 hr), Chlorella emersonii

Petroleum distillates,hydrotreated heavy paraffin – (0064742-54-7)	Not Available	Not Available	Not Available
Naphthalene – (0000091-20-3)	1.20, Oncorhynchus gorbuscha	1.60, Daphnia magna	68.21 (72 hr), Scenedesmus subspicatus
Proprietary additive - (Proprietary or N/A)	Not Available	Not Available	Not Available

Persistence and degradability: There is no data available on the preparation itself.

Bioaccumulative potential: Not measured

Mobility in soil: No data available

Results of PBT and vPvB assessment: This product contains no PBT/vPvB chemicals

Other adverse effects: 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

UN Number: Not applicable

UN proper shipping name: Not regulated

Transport hazard class(es):

US DOT Label Combustible Liquid, N.O.S. for packages >119 Gallons (450 litres)

ADR/RID Not regulated

IMDG Not regulated

Sub Class

Not regulated

ICAO/IATA

Not regulated

Packing Group

Not applicable

Environmental hazards:

ADR/RID Environmentally Hazardous: Yes – Not regulated

IMDG Marine Pollutant: Yes (Naphtha (petroleum), heavy aromatic) – 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

New Zealand

HSNO Approval Number – HSR002581

HSNO Group Standard - Fuel Additives (Combustible) Group Standard 2017

National Legislation:

United States:

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

US EPA Toxic Substances Control Act Chemical Substances Inventory

2-Ethylhexanol	ACTIVE TP
2-Ethylhexyl nitrate	ACTIVE
Distillates (petroleum), hydrotreated light	ACTIVE UVCB

Naphtha (petroleum), heavy aromatic	ACTIVE UVCB
Naphthalene	ACTIVE
Petroleum distillates, hydrotreated heavy paraffin	ACTIVE UVCB
Petroleum distillates, solvent-refined heavy naphthenic	ACTIVE UVCB

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

SARA 313 (>0.1%): Naphthalene

CERCLA (>0.1%): Naphthalene

Inventory – Canada – Non – Domestic Substances List (NDSL):

Not applicable

California Proposition 65 Cancer (>0.00%):

Oxirane, methyl -
Benzene
Ethyl benzene
Ethylene oxide
Naphthalene

California Proposition 65 Developmental (>0.00%):

Benzene
Methanol
Toluene

California Proposition 65 Female Reproductive (>0.00%):

Ethylene oxide
Toluene

California Proposition 65 Male Reproductive (0.00%):

Benzene
Ethylene oxide

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

2-Ethylhexanol
2-Ethylhexyl nitrate
Distillates (petroleum), hydrotreated light
Naphtha (petroleum), heavy aromatic
Naphthalene
Petroleum distillates, hydrotreated heavy paraffin
Petroleum distillates, solvent-refined heavy naphthenic

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

2-Ethylhexanol (2-217)
2-Ethylhexyl nitrate (2-3598)
Distillate (petroleum) hydrotreated light ()
Naphthalene (4-311)
Petroleum distillates, hydrotreated heavy paraffin ()

Korean Existing Chemicals Inventory:

2-Ethylhexanol (2-217)
2-Ethylhexyl nitrate (2-3598)
Distillate (petroleum) hydrotreated light ()
Naphthalene (4-311)
Petroleum distillates, hydrotreated heavy paraffin ()

Inventory of Existing Chemicals Substances in China:

2-Ethylhexyl nitrate
 Distillate (petroleum), hydrotreated light
 Petroleum distillates, hydrotreated heavy paraffin

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

2-Ethylhexanol
 2-Ethylhexyl nitrate
 Distillate (petroleum), hydrotreated light
 Naphtha (petroleum), heavy aromatic
 Naphthalene
 Petroleum distillates, hydrotreated heavy paraffin
 Petroleum distillates, solvent-refined heavy naphthenic

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

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EU REACH: Annex XVII, Dangerous Substances and Preparations:

Petroleum distillates, solvent-refined heavy naphthenic
 Petroleum distillates, hydrotreated heavy paraffin

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

2-Ethylhexanol (203-234-3)
 2-Ethylhexyl nitrate (248-363-6)
 Distillates (petroleum), hydrotreated light (265-149-8)
 Naphtha (petroleum), heavy aromatic (265-198-5)
 Naphthalene (202-049-5)
 Petroleum distillates, hydrotreated heavy paraffin (265-157-1)
 Petroleum distillates, solvent-refined heavy naphthenic (265-097-6)

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

Risk Phrases:

R40 Limited evidence of a carcinogenic effect.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 16**OTHER INFORMATION**

This information has been compiled from sources considered to be dependable and is accurate to the best of Morey Oil South Pacific Ltd knowledge. Morey Oil South Pacific Ltd makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Morey Oil South Pacific Ltd assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.

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

H302 Harmful if swallowed
 H304 May be fatal if swallowed and enters airways
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H351 Suspected of causing cancer
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects