

# ITW AAMTech Australia

Chemwatch: 5203-92 Version No: 3.1.1. Safety Data Sheet according to HSNO Regulations Chemwatch Hazard Alert Code: 2

Issue Date: 12/04/2016 Print Date: 18/05/2016 Initial Date: Not Available S.GHS.NZL.EN

# SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

# **Product Identifier**

Product name	Wynn's Diesel Engine Flush
Synonyms	Product Code: 67001
Other means of identification	Not Available

# Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Diesel engine flush.

# Details of the supplier of the safety data sheet

Registered company name	ITW AAMTech Australia	Autoserv New Zealand Ltd	
Address	1-9 Nina Link, Dandenong South VIC 3175 Australia	Unit 2/38 Trugood Drv, East Tamaki AUCK 2013 New Zealand	
Telephone	1800 177 989	0800 438 996	
Fax	1800 308 556	Not Available	
Website	www.aamtech.com.au		
Email	info@aamtech.com.au	warehouse@autoserv.co.nz	

#### **Emergency telephone number**

Association / Organisation	Not Available	Not Available
Emergency telephone numbers	1800 039 008	0800 2436 2255
Other emergency telephone numbers	0800 2436 2255	0800 764 766

#### **SECTION 2 HAZARDS IDENTIFICATION**

## Classification of the substance or mixture

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not regulated for transport of Dangerous Goods.

Classification <sup>[1]</sup>	Flammable Liquid Category 4, Eye Irritation Category 2A, Carcinogenicity Category 2, Aspiration Hazard Category 1
Legend:	1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI
Determined by Chemwatch using GHS/HSNO criteria	3.1D, 6.1E (aspiration), 6.4A, 6.7B

GHS label elements	
SIGNAL WORD	DANGER
Hazard statement(s)	

# H227Combustible liquidH319Causes serious eye irritation.H351Suspected of causing cancer.H304May be fatal if swallowed and enters airways.

## Precautionary statement(s) Prevention

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.

# **Precautionary statement(s) Response**

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use alcohol resistant foam or normal protein foam for extinction.

# Precautionary statement(s) Storage

P403+P235         Store in a well-ventilated place. Keep cool.	
P405	Store locked up.

# Precautionary statement(s) Disposal

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

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

## Substances

See section below for composition of Mixtures

#### **Mixtures**

CAS No	%[weight]	Name
64742-81-0	30-60	kerosene, (petroleum), hydrodesulfurised
64742-52-5.	30-60	naphthenic distillate, heavy, hydrotreated (severe)
68649-42-3	<5	zinc dialkyl dithiophosphate
91-20-3	<2	naphthalene
Not Available	<10	Ingredients determined not to be hazardous

# SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

# Description of first aid measures

Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Wash out immediately with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
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Skin Contact	<ul> <li>If skin contact occurs:</li> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>
Inhalation	<ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul>
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul>

#### Indication of any immediate medical attention and special treatment needed

Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

- For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:
- + Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.
- Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO2 50 mm Hg) should be intubated.
- Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
- A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax.
- Epinephrine (adrenalin) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g. Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice.
- Lavage is indicated in patients who require decontamination; ensure use of cuffed endotracheal tube in adult patients. [Ellenhorn and Barceloux: Medical Toxicology]

# SECTION 5 FIREFIGHTING MEASURES

#### Extinguishing media

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

#### Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
Advice for firefighters	8
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> </ul>
Fire/Explosion Hazard	<ul> <li>Combustible.</li> <li>Slight fire hazard when exposed to heat or flame.</li> <li>Heating may cause expansion or decomposition leading to violent rupture of containers.</li> <li>On combustion, may emit toxic fumes of carbon monoxide (CO).</li> <li>Combustion products include; carbon dioxide (CO2) nitrogen oxides (NOx) sulfur oxides (SOx) other pyrolysis products typical of burning organic material</li> </ul>

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

Minor Spills	<ul> <li>Remove all ignition sources.</li> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> </ul>
Major Spills	<ul> <li>Moderate hazard.</li> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> </ul>

Personal Protective Equipment advice is contained in Section 8 of the SDS.

# SECTION 7 HANDLING AND STORAGE

# Precautions for safe handling

Safe handling	<ul> <li>Containers, even those that have been emptied, may contain explosive vapours.</li> <li>Do NOT cut, drill, grind, weld or perform similar operations on or near containers.</li> <li>DO NOT allow clothing wet with material to stay in contact with skin</li> <li>Electrostatic discharge may be generated during pumping - this may result in fire.</li> <li>Ensure electrical continuity by bonding and grounding (earthing) all equipment.</li> <li>Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (&lt;=1 m/sec until fill pipe submerged to twice its diameter, then &lt;= 7 m/sec).</li> <li>Avoid splash filling.</li> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Ensure and europe.</li> </ul>
	<ul> <li>Prevent concentration in hollows and sumps.</li> <li>Store in original containers.</li> </ul>
Other information	<ul> <li>Keep containers securely sealed.</li> <li>No smoking, naked lights or ignition sources.</li> <li>Store in a cool, dry, well-ventilated area.</li> </ul>

# Conditions for safe storage, including any incompatibilities

Suitable container	<ul> <li>Metal can or drum</li> <li>Packaging as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul>
Storage incompatibility	Avoid reaction with oxidising agents

# SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

# **Control parameters**

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

## INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
New Zealand Workplace Exposure Standards (WES)	naphthenic distillate, heavy, hydrotreated (severe)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Sampled by a method that does not collect vapour.
New Zealand Workplace Exposure Standards (WES)	naphthalene	Naphthalene	52 mg/m3 / 10 ppm	79 mg/m3 / 15 ppm	Not Available	Not Available

## EMERGENCY LIMITS

Ingredient	Material name		TEEL-1	TEEL-2	TEEL-3
naphthenic distillate, heavy, hydrotreated (severe)	Virginia refrigeration oil 150 and 300; (Mineral oil, petroleum distillates, hydrotreated (mild) heavy naphthenic)		1 mg/m3	12 mg/m3	2000 mg/m3
naphthalene	Naphthalene		15 ppm	15 ppm	500 ppm
Ingredient	Original IDLH Revised IDLH				
kerosene, (petroleum), hydrodesulfurised	Not Available	Not Available			

naphthenic distillate, heavy, hydrotreated (severe)	Not Available	Not Available
zinc dialkyl dithiophosphate	Not Available	Not Available
naphthalene	500 ppm	250 ppm
Ingredients determined not to be hazardous	Not Available	Not Available

# Exposure controls

Appropriate engineering controls	General exhaust is adequate under normal operating conditions.		
Personal protection			
Eye and face protection	<ul> <li>Safety glasses with side shields.</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.</li> </ul>		
Skin protection	See Hand protection below		
Hands/feet protection	<ul> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> <li>Neoprene gloves</li> <li>Polyethylene gloves</li> </ul>		
Body protection	See Other protection below		
Other protection	<ul> <li>Overalls.</li> <li>P.V.C. apron.</li> <li>Barrier cream.</li> </ul>		
Thermal hazards	Not Available		

# **Respiratory protection**

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

Appearance	Pale yellow liquid with a paraffinic odour; does not mix with water.		
Physical state	Liquid	Relative density (Water = 1)	0.8702
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	>200
pH (as supplied)	Not Applicable	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	6.5 @ 40C (ASTM D 445)
Initial boiling point and boiling range (°C)	195-260	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	77 (PMCC)	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Combustible.	Oxidising properties	Not Available
Upper Explosive Limit (%)	7.0	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	0.6	Volatile Component (%vol)	54

Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Immiscible	pH as a solution (1%)	Not Applicable
Vapour density (Air = 1)	>1	VOC g/L	Not Available

# SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> <li>Presence of heat source and ignition source</li> </ul>
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

# SECTION 11 TOXICOLOGICAL INFORMATION

# Information on toxicological effects

	-		
Inhaled	<ul> <li>Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo.</li> <li>Inhalation hazard is increased at higher temperatures.</li> <li>Central nervous system (CNS) depression may include general discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal.</li> </ul>		
Ingestion	Swallowing of the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis; serious consequences may result. (ICSC13733) Accidental ingestion of the material may be damaging to the health of the individual. Ingestion of petroleum hydrocarbons can irritate the pharynx, oesophagus, stomach and small intestine, and cause swellings and ulcers of the mucous. Symptoms include a burning mouth and throat; larger amounts can cause nausea and vomiting, narcosis, weakness, dizziness, slow and shallow breathing, abdominal swelling, unconsciousness and convulsions.		
Skin Contact	The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. The material may accentuate any pre-existing dermatitis condition		
Eye	This material can cause eye irritation and damage in s	some persons.	
Chronic	There has been concern that this material can cause cancer or mutations, but there is not enough data to make an assessment. Constant or exposure over long periods to mixed hydrocarbons may produce stupor with dizziness, weakness and visual disturbance, weight loss and anaemia, and reduced liver and kidney function. Skin exposure may result in drying and cracking and redness of the skin. Chronic solvent inhalation exposures may result in nervous system impairment and liver and blood changes. [PATTYS]		
Wynn's Diesel Engine	τοχιςιτγ	IRRITATION	
Flush	Not Available	Not Available	
	тохісіту	IRRITATION	
kerosene, (petroleum),	Dermal (rabbit) LD50: >2000 mg/kg <sup>[1]</sup>	Not Available	
hydrodesulfurised	Oral (rat) LD50: >5000 mg/kg <sup>[1]</sup>		
	тохісіту	IRRITATION	
naphthenic distillate,	Dermal (rabbit) LD50: >2000 mg/kg <sup>[1]</sup>	Not Available	
	Inhalation (rat) LC50: >3.9 mg/l4 h <sup>[1]</sup>		
heavy, hydrotreated (severe)	Inhalation (rat) LC50: >4.7 mg/l4 h <sup>[1]</sup>		
. ,	Inhalation (rat) LC50: >5 mg/l4 h <sup>[1]</sup>		
	Inhalation (rat) LC50: >5.2 mg/l4 h <sup>[1]</sup>		

	Inhalation (rat) LC50: >5.3 mg/l4 h <sup>[1]</sup>	
	Inhalation (rat) LC50: 10.5 mg/l4 h <sup>[1]</sup>	
	Inhalation (rat) LC50: 5.7 mg/l4 h <sup>[1]</sup>	
	Inhalation (rat) LC50: 9.6 mg/l4 h <sup>[1]</sup>	
	Oral (rat) LD50: >2000 mg/kg <sup>[1]</sup>	
	TOXICITY	IRRITATION
zinc dialkyl dithiophosphate	Dermal (rabbit) LD50: >22400000 mg/kg <sup>[1]</sup>	Eye (human):SEVERE [Manufacturer]
annophosphate	Oral (rat) LD50: 3600 mg/kg <sup>[1]</sup>	
	тохісіту	IRRITATION
naphthalene	dermal (rat) LD50: >2500 mg/kg <sup>[2]</sup>	Eye (rabbit): 100 mg - mild
	Oral (rat) LD50: 490 mg/kg <sup>[2]</sup>	Skin (rabbit):495 mg (open) - mild
Legend:		ostances - Acute toxicity 2.* Value obtained from manufacturer's SDS. CS - Register of Toxic Effect of chemical Substances

KEROSENE, (PETROLEUM), HYDRODESULFURISED	The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. Kerosene may produce varying ranges of skin irritation, and a reversible eye irritation (if eyes are washed). Skin may be cracked or flaky and/or leathery, with crusts and/or hair loss. It may worsen skin cancers. There may also be loss of weight, discharge from the nose, excessive tiredness, and wheezing.		
NAPHTHENIC DISTILLATE, HEAVY, HYDROTREATED (SEVERE)	No significant acute toxicological data identified in literature search. The materials included in the Lubricating Base Oils category are related from both process and physical-chemical perspectives; The potential toxicity of a specific distillate base oil is inversely related to the severity or extent of processing the oil has undergone, since: • The adverse effects of these materials are associated with undesirable components, and • The levels of the undesirable components are inversely related to the degree of processing; • Distillate base oils receiving the same degree or extent of processing will have similar toxicities; • The potential toxicity of <i>residual base oils</i> is independent of the degree of processing the oil receives. • The reproductive and developmental toxicity of the distillate base oils is inversely related to the degree of processing. Unrefined & mildly refined distillate base oils contain the highest levels of undesirable components, have the largest variation of hydrocarbon molecules and have shown the highest potential carcinogenic and mutagenic activities. Highly and severely refined distillate base oils: In animal studies, the acute, oral, semilethal dose is >5g/kg body weight and the semilethal dose by skin contact is >2g/kg body weight. The semilethal concentration for inhalation is 2.18 to >4 mg/L. The materials have varied from "non-irritating" to "moderately irritating" when tested for skin and eye irritation. Testing for sensitisation has been negative. <b>NOTE:</b> Substance has been shown to be mutagenic in at least one assay, or belongs to a family of chemicals producing damage or change to cellular DNA. The substance is classified by IARC as Group 3: <b>NOT</b> classifiable as to its carcinogenicity to humans.		
ZINC DIALKYL DITHIOPHOSPHATE	Evidence of carcinogenicity may be inadequate or limited in animal testing. The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. Dithiophosphate alkyl esters is corrosive and toxic to the tissues on skin or oral exposure depending on its concentration. Symptoms included diarrhoea, skin and gastrointestinal irritation, lethargy, reduced food intake, staining about the nose and eye; occasionally, there was drooping of the eyelid, hair standing up, inco-ordination and salivation. Toxicity is reduced following inhalation (due to vapour pressure and high viscosity). It may produce reproductive, developmental and genetic toxicity on experimental animals, but no substantive data is available to establish effect on humans. Reproductive effector in rats.		
NAPHTHALENE	The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. WARNING: This substance has been classified by the IARC as Group 2B: Possibly Carcinogenic to Humans.		
Acute Toxicity	0	Carcinogenicity	¥
Skin Irritation/Corrosion	0	Reproductivity	0

Serious Eye Damage/Irritation	*	STOT - Single Exposure	$\otimes$
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	0
Mutagenicity	0	Aspiration Hazard	×
			ilable but does not fill the criteria for classification iired to make classification available

S − Data Not Available to make classification

## **SECTION 12 ECOLOGICAL INFORMATION**

# Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
kerosene, (petroleum), hydrodesulfurised	NOEC	3072	Fish	=1mg/L	1
naphthenic distillate, heavy, hydrotreated (severe)	EC50	48	Crustacea	>1000mg/L	1
naphthenic distillate, heavy, hydrotreated (severe)	NOEC	504	Crustacea	>1mg/L	1
naphthenic distillate, heavy, hydrotreated (severe)	EC50	96	Algae or other aquatic plants	>1000mg/L	1
zinc dialkyl dithiophosphate	EC50	48	Crustacea	=11.5mg/L	1
zinc dialkyl dithiophosphate	EC50	96	Algae or other aquatic plants	=1-5mg/L	1
zinc dialkyl dithiophosphate	NOEC	96	Algae or other aquatic plants	=1mg/L	1
naphthalene	BCF	12	Fish	10.2mg/L	4
naphthalene	EC50	0.05	Crustacea	0.00000085mg/L	4
naphthalene	EC50	48	Crustacea	0.004729473mg/L	4
naphthalene	LC50	96	Fish	0.213mg/L	4
naphthalene	NOEC	48	Fish	0.012817mg/L	4
naphthalene	EC50	72	Algae or other aquatic plants	ca.0.4- ca.0.5mg/L	2

ard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Aqua Data

# DO NOT discharge into sewer or waterways.

# Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
naphthalene	HIGH (Half-life = 258 days)	LOW (Half-life = 1.23 days)

# **Bioaccumulative potential**

Ingredient	Bioaccumulation
kerosene, (petroleum), hydrodesulfurised	LOW (BCF = 159)
zinc dialkyl dithiophosphate	LOW (BCF = 100)
naphthalene	HIGH (BCF = 18000)

# Mobility in soil

Ingredient	Mobility
naphthalene	LOW (KOC = 1837)

## SECTION 13 DISPOSAL CONSIDERATIONS

#### Waste treatment methods

	<ul> <li>Recycle wherever possible or consult manufacturer for recycling options.</li> </ul>
Product / Packaging	<ul> <li>Consult State Land Waste Authority for disposal.</li> </ul>
disposal	<ul> <li>Bury or incinerate residue at an approved site.</li> </ul>
	Recycle containers if possible, or dispose of in an authorised landfill.

Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.

#### **SECTION 14 TRANSPORT INFORMATION**

#### Labels Required

 Marine Pollutant
 NO

 HAZCHEM
 Not Applicable

## Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

#### Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

## Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## **SECTION 15 REGULATORY INFORMATION**

#### Safety, health and environmental regulations / legislation specific for the substance or mixture

This substance is to be managed using the conditions specified in an applicable Group Standard

HSR Number	Group Standard
HSR002587	Fuel Additives (Combustible, Toxic [6.7]) Group Standard 2006

#### KEROSENE, (PETROLEUM), HYDRODESULFURISED(64742-81-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

New Zealand Inventory of Chemicals (NZIoC)

## NAPHTHENIC DISTILLATE, HEAVY, HYDROTREATED (SEVERE)(64742-52-5.) IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Agency for Research on Cancer (IARC) - Agents Classified New Zealand Workplace Exposure Standards (WES)

by the IARC Monographs

New Zealand Inventory of Chemicals (NZIoC)

#### ZINC DIALKYL DITHIOPHOSPHATE(68649-42-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS

New Zealand Inventory of Chemicals (NZIoC)

#### NAPHTHALENE(91-20-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS

 International Agency for Research on Cancer (IARC) - Agents Classified
 New Zealand Inventory of Chemicals (NZIoC)

 by the IARC Monographs
 New Zealand Workplace Exposure Standards (WES)

 New Zealand Hazardous Substances and New Organisms (HSNO) Act New Zealand Workplace Exposure Standards (WES)

**Location Test Certificate** 

**Classification of Chemicals** 

Subject to Regulation 55 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations, a location test certificate is required when quantity greater than or equal to those indicated below are present.

Hazard Class	Quantity beyond which controls apply for closed containers	Quantity beyond which controls apply when use occurring in open containers
Not Applicable	Not Applicable	Not Applicable

## Approved Handler

Subject to Regulation 56 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations and Regulation 9 of the Hazardous Substances (Classes 6, 8, and 9 Controls) Regulations, the substance must be under the personal control of an Approved Handler when present in a quantity greater than or

equal to those indicated below.

Class of substance	Quantities
Not Applicable	Not Applicable

Refer Group Standards for further information

## Tracking Requirements

Not Applicable

National Inventory	Status
Australia - AICS	Υ
Canada - DSL	Y
Canada - NDSL	N (naphthenic distillate, heavy, hydrotreated (severe); naphthalene; zinc dialkyl dithiophosphate; kerosene, (petroleum), hydrodesulfurised)
China - IECSC	Y
Europe - EINEC / ELINCS / NLP	Υ
Japan - ENCS	N (naphthenic distillate, heavy, hydrotreated (severe); zinc dialkyl dithiophosphate; kerosene, (petroleum), hydrodesulfurised
Korea - KECI	Υ
New Zealand - NZIoC	Y
Philippines - PICCS	Y
USA - TSCA	Y
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

# **SECTION 16 OTHER INFORMATION**

#### Other information

## Ingredients with multiple cas numbers

Name	CAS No
zinc dialkyl dithiophosphate	1910-06-1, 26566-95-0, 4563-55-7, 68442-22-8, 68457-79-4, 68649-42-3, 7491-65-8

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

#### www.chemwatch.net

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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