

Lubrication Engineers NZ Ltd

Chemwatch: 22-6499

Version No: 8.1

Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

Chemwatch Hazard Alert Code: 1

Issue Date: 23/12/2022 Print Date: 29/10/2024 S.GHS.NZL.EN

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

Product Identifier

Product name	LE4010 QUINPLEX White Oil H1
Chemical Name	Not Applicable
Synonyms	Not Available
Chemical formula	Not Applicable
Other means of identification	Not Available

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

Relevant identified uses	Lubricant.
	Lubricant. Use according to manufacturer's directions.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	Lubrication Engineers NZ Ltd	
Address	11F Piermark Drive North Harbour Industrial Estate Albany, Auckland New Zealand	
Telephone	+64 09 415 9411	
Fax	+64 09 4158411	
Website	Not Available	
Email	Not Available	

Emergency telephone number

Association / Organisation	Lubrication Engineers NZ Ltd	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone number(s)	+64 21 3385487	+64 800 700 112
Other emergency telephone number(s)	Not Available	+61 3 9573 3188

Once connected and if the message is not in your preferred language then please dial 01

SECTION 2 Hazards identification

Classification of the substance or mixture

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

Chemwatch Hazard Ratings

	Min	Max	
Flammability	1		
Toxicity	0		
Body Contact	1		0 = Minimum 1 = Low
Reactivity	1		2 = Moderate
Chronic	0		3 = High 4 = Extreme

Classification ^[1]	Non hazardous
Legend:	1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Issue Date: 23/12/2022 Print Date: 29/10/2024

LE4010 QUINPLEX White Oil H1

Determined by Chemwatch using GHS/HSNO criteria	Not Available
Label elements	
Hazard pictogram(s)	Not Applicable
Signal word	Not Applicable

Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
8042-47-5	NotSpec	white mineral oil (petroleum)
122-39-4	NotSpec	diphenylamine
140-88-5	NotSpec	ethyl acrylate
Not Available	balance Ingredients determined not to be hazardous	
Legend:	Legend: 1. Classified by Chernwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L * EU IOELVs available	

SECTION 4 First aid measures

Description of first aid measures

Eye Contact	 If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	 If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

- Heavy and persistent skin contamination over many years may lead to dysplastic changes. Pre-existing skin disorders may be aggravated by exposure to this product.
- In general, emesis induction is unnecessary with high viscosity, low volatility products, i.e. most oils and greases.
- High pressure accidental injection through the skin should be assessed for possible incision, irrigation and/or debridement.

NOTE: Injuries may not seem serious at first, but within a few hours tissue may become swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Product may be forced through considerable distances along tissue planes.

Extinguishing media

- Water spray or fog.
- Alcohol stable foam.
- Dry chemical powder.
- Carbon dioxide.

Do not use a water jet to fight fire.

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

Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area.
Fire/Explosion Hazard	 Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). Combustion products include: carbon dioxide (CO2) phosphorus oxides (POx) sulfur oxides (SOx) other pyrolysis products typical of burning organic material. May emit poisonous fumes. CARE: Water in contact with hot liquid may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns. Foaming may cause overflow of containers and may result in possible fire.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

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

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

SECTION 7 Handling and storage

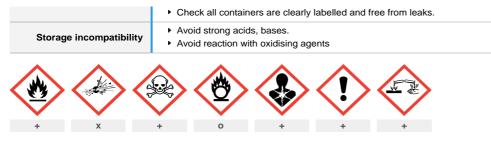
Precautions for safe handling

Suitable container

Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.
Other information	 Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area.

Conditions for safe storage, including any incompatibilities

- Metal can or drum Packaging as recommended by manufacturer.



X — Must not be stored together

0 — May be stored together with specific preventions

+ — May be stored together

Note: Depending on other risk factors, compatibility assessment based on the table above may not be relevant to storage situations, particularly where large volumes of dangerous goods are stored and handled. Reference should be made to the Safety Data Sheets for each substance or article and risks assessed accordingly.

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)	white mineral oil (petroleum)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	(om) - Sampled by a method that does not collect vapour
New Zealand Workplace Exposure Standards (WES)	diphenylamine	Diphenylamine	10 mg/m3	Not Available	Not Available	Not Available
New Zealand Workplace Exposure Standards (WES)	ethyl acrylate	Ethyl acrylate	2 ppm / 8.3 mg/m3	16.6 mg/m3 / 4 ppm	Not Available	(dsen) - Dermal sensitiser (skin) - Skin absorption

Ingredient	Original IDLH	Revised IDLH
white mineral oil (petroleum)	2,500 mg/m3	Not Available
diphenylamine	Not Available	Not Available
ethyl acrylate	300 ppm	Not Available

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.
Individual protection measures, such as personal protective equipment	
Eye and face protection	 Safety glasses with side shields Chemical goggles. 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. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience.
Skin protection	See Hand protection below
Hands/feet protection	The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice. Personal hygiene is a key element of effective hand care. • Wear chemical protective gloves, e.g. PVC. • Wear safety footwear or safety gumboots, e.g. Rubber
Body protection	See Other protection below
Other protection	 Overalls. P.V.C apron. Barrier cream. Skin cleansing cream.

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:

LE4010 QUINPLEX White Oil H1

Material	CPI
BUTYL	A
PVA	A
TEFLON	A
BUTYL/NEOPRENE	С
VITON/NEOPRENE	С

* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

Ansell Glove Selection

Glove — In order of recommendation
AlphaTec 02-100
AlphaTec® Solvex® 37-185
AlphaTec® 38-612
AlphaTec® 58-008
AlphaTec® 58-530B
AlphaTec® 58-530W
AlphaTec® 58-735
AlphaTec® Solvex® 37-675
AlphaTec® 15-554
AlphaTec® 79-700

The suggested gloves for use should be confirmed with the glove supplier.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Transparent liquid with a hydrocarbon-like odour; not miscible with water.		
Physical state	Liquid	Relative density (Water = 1)	0.89
Odour	Not Available	Partition coefficient n- octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	6-8	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	43.15
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	187	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	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)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	A-AUS P2	-	A-PAPR-AUS / Class 1 P2
up to 50 x ES	-	A-AUS / Class 1 P2	-
up to 100 x ES	-	A-2 P2	A-PAPR-2 P2 ^

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

- Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Immiscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	<1	VOC g/L	Not Available
Heat of Combustion (kJ/g)	Not Available	Ignition Distance (cm)	Not Available
Flame Height (cm)	Not Available	Flame Duration (s)	Not Available
Enclosed Space Ignition Time Equivalent (s/m3)	Not Available	Enclosed Space Ignition Deflagration Density (g/m3)	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	 Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
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	There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Inhalation hazard is increased at higher temperatures. Inhalation of oil droplets or aerosols may cause discomfort and may produce chemical inflammation of the lungs.
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.
Skin Contact	There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or irritated skin should not be exposed to this material The material may accentuate any pre-existing dermatitis condition
Eye	There is some evidence to suggest that this material can cause eye irritation and damage in some persons.
Chronic	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Oil may contact the skin or be inhaled. Extended exposure can lead to eczema, inflammation of hair follicles, pigmentation of the face and warts on the soles of the feet.

E4010 QUINPLEX White	TOXICITY	IRRITATION	
Oil H1	Not Available	Not Available	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
white mineral oil	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Eye: no adverse effect observed (not irritating) ^[1]	
(petroleum)	Inhalation (Rat) LC50: >4.5 mg/l4h ^[1]	Skin: no adverse effect observed (not irritating) ^[1]	
	Oral (Rat) LD50: >5000 mg/kg ^[2]		
	ΤΟΧΙCΙΤΥ	IRRITATION	
diphenylamine	Dermal (rabbit) LD50: >2000 mg/kg ^[2]	Eye (Rodent - rabbit): 100mg	
	Oral (Guinea) LD50; 300 mg/kg ^[2]	Eye: adverse effect observed (irritating) ^[1]	
		Skin: no adverse effect observed (not irritating) ^[1]	
ethyl acrylate	ΤΟΧΙΟΙΤΥ	IRRITATION	
	Dermal (rabbit) LD50: 1800 mg/kg ^[2]	Eye (Primate - monkey): 1204ppm/15H (intermittent)	
	Inhalation (Rat) LC50: ~6.45 mg/l4h ^[1]	Eye (Rodent - guinea pig): 1204ppm/7H	

	Oral (Rat) LD50: 800 mg/kg ^[2]	Eye (Rodent - rabbit): 1204ppm/7H
		Eye (Rodent - rabbit): 45mg - Mild
		Eye (Rodent - rat): 1204ppm/14H (intermittent)
		Skin (Human - woman): 0.1%/48H
		Skin (Rodent - rabbit): 10mg/24H - Mild
		Skin (Rodent - rabbit): 500mg - Mild
Legend:	 Value obtained from Europe ECHA Registered Substances - A Unless otherwise specified data extracted from RTECS - Regist 	
WHITE MINERAL OIL (PETROLEUM)	Oral (rat) TCLo: 92000 mg/kg/92D-Cont. Generally the toxicity a oils have not shown the long term risk of skin cancer that follows in all probability to refining that produces low content of both poly The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in anin For highly and severely refined distillate base oils: In animal studies, the acute, oral, semilethal dose is >5g/kg body weight. The semilethal concentration for inhalation is 2.18 to >4 "moderately irritating" when tested for skin and eye irritation. Tes The materials included in the Lubricating Base Oils category are The potential toxicity of a specific distillate base oil is inversely re undergone, since: • The adverse effects of these materials are associated with und • The levels of the undesirable components are inversely related • Distillate base oils receiving the same degree or extent of proce • The potential toxicity of residual base oils is independent of the • The reproductive and developmental toxicity of the distillate base Unrefined & mildly refined distillate base oils contain the highest hydrocarbon molecules and have shown the highest potential cos severely refined distillate base oils are produced from unrefined components. In comparison to unrefined and mildly refined base smaller range of hydrocarbon molecules and have demonstrated mutation-causing and cancer-causing potential has shown negatiologically active components or the components are largely no Toxicity testing has consistently shown that lubricating base oils	s persistent skin contamination with some other mineral oils, due yaromatics (PAH) and benz-alpha-pyrenes (BaP) nal testing. y weight and the semilethal dose by skin contact is >2g/kg body mg/L. The materials have varied from "non-irritating" to sting for sensitisation has been negative. related from both process and physical-chemical perspectives; elated to the severity or extent of processing the oil has lesirable components, and to the degree of processing; essing will have similar toxicities; e degree of processing the oil receives. se oils is inversely related to the degree of processing. levels of undesirable components, have the largest variation of uncer-causing and mutation-causing activities. Highly and and mildly refined oils by removing or transforming undesirable e oils, the highly and severely refined distillate base oils have a d very low mammalian toxicity. Testing of residual oils for tive results, supporting the belief that these materials lack un-bioavailable due to their molecular size.
DIPHENYLAMINE	membranes leading to irritation may occur with prolonged or rep	o very low order of toxicity following oral or topical administration. noderate acute toxicity. Overall, it is not considered to cause
ETHYL ACRYLATE	The following information refers to contact allergens as a group a Contact allergies quickly manifest themselves as contact eczem pathogenesis of contact eczema involves a cell-mediated (T lym skin reactions, e.g. contact urticaria, involve antibody-mediated i Where no "official" classification for acrylates and methacrylates classifications in the absence of contrary evidence. For example Monalkyl or monoarylesters of acrylic acids should be classified Monoalkyl or monoarylesters of methacrylic acid should be classified Monoalkyl or monoarylesters of methacrylic acid should be class The material may be irritating to the eye, with prolonged contact irritants may produce conjunctivitis. The material may cause skin irritation after prolonged or repeate the production of vesicles, scaling and thickening of the skin. WARNING: This substance has been classified by the IARC as Tenth Annual Report on Carcinogens: Substance anticipated to b [<i>National Toxicology Program: U.S. Dep. of Health & Human Sei</i> Based on the available oncogenicity data and without a better ur	a, more rarely as urticaria or Quincke's oedema. The phocytes) immune reaction of the delayed type. Other allergic immune reactions. exists, there have been cautious attempts to create as R36/37/38 and R51/53 sified as R36/37/38 causing inflammation. Repeated or prolonged exposure to ad exposure and may produce on contact skin redness, swelling, Group 2B: Possibly Carcinogenic to Humans. be Carcinogen rvices 2002]
	Environmental Review Division (HERD), Office of Toxic Substanchemicals that contain the acrylate or methacrylate moiety (CH2 carcinogenic hazard unless shown otherwise by adequate testin This position has now been revised and acrylates and methacryl	ces (OTS), of the US EPA previously concluded that all =CHCOO or CH2=C(CH3)COO) should be considered to be a g.
DIPHENYLAMINE & ETHYL ACRYLATE	Asthma-like symptoms may continue for months or even years a allergic condition known as reactive airways dysfunction syndror highly irritating compound. Main criteria for diagnosing RADS ind individual, with sudden onset of persistent asthma-like symptoms irritant. Other criteria for diagnosis of RADS include a reversible bronchial hyperreactivity on methacholine challenge testing, and eosinophilia.	ne (RADS) which can occur after exposure to high levels of clude the absence of previous airways disease in a non-atopic s within minutes to hours of a documented exposure to the airflow pattern on lung function tests, moderate to severe

LE4010 QUINPLEX White Oil H1

Skin Irritation/Corrosion		
	Reproductivity	×
Serious Eye Damage/Irritation	STOT - Single Exposure	×
Respiratory or Skin sensitisation ST	STOT - Repeated Exposure	×
Mutagenicity 🗙	Aspiration Hazard	×

Legend: X – Data either not available or does not fill the criteria for classification — Data available to make classification

SECTION 12 Ecological information

LE4010 QUINPLEX White Oil H1	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
white mineral oil	Endpoint	Test Duration (hr)	Species	Value	Source
(petroleum)	LC50	96h	Fish	>10000mg/L	2
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	BCF	1344h	Fish	51-253	7
	EC50	72h	Algae or other aquatic plants	0.048mg/l	1
diphenylamine	EC50	48h	Crustacea	0.27- 0.36mg/l	4
	EC50(ECx)	72h	Algae or other aquatic plants	0.048mg/l	1
	LC50	96h	Fish	2.088- 3.596mg/L	4
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	EC50	72h	Algae or other aquatic plants	1.71mg/l	2
a tha dia a mala ta	EC50	48h	Crustacea	4.4mg/l	1
ethyl acrylate	LC50	96h	Fish	2mg/l	2
	NOEC(ECx)	504h	Crustacea	0.19mg/l	1
	EC50	96h	Algae or other aquatic plants	5.5mg/l	2
Legend:	Extracted from	1 ILICLID Toxicity Data 2 Euror	pe ECHA Registered Substances - Ecotoxicologio	cal Information - Aqui	atic Toxic

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
diphenylamine	LOW (Half-life = 56 days)	Not Available
ethyl acrylate	LOW (Half-life = 14 days)	LOW (Half-life = 0.95 days)

Bioaccumulative potential

Ingredient	Bioaccumulation
diphenylamine	LOW (BCF = 253)
ethyl acrylate	LOW (LogKOW = 1.32)

Mobility in soil

Ingredient	Mobility
diphenylamine	LOW (Log KOC = 1887)
ethyl acrylate	LOW (Log KOC = 11.85)

Waste treatment methods

	Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws
	operating in their area. In some areas, certain wastes must be tracked.
	A Hierarchy of Controls seems to be common - the user should investigate:
	▶ Reduction
	▶ Reuse
	▶ Recycling
	 Disposal (if all else fails)
Product / Packaging	This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.
disposal	DO NOT allow wash water from cleaning or process equipment to enter drains.
	It may be necessary to collect all wash water for treatment before disposal.
	In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
	Where in doubt contact the responsible authority.
	Recycle wherever possible or consult manufacturer for recycling options.
	 Consult State Land Waste Authority for disposal.
	 Bury or incinerate residue at an approved site.
	Recycle containers if possible, or dispose of in an authorised landfill.

Ensure that the hazardous substance is disposed in accordance with the Hazardous Substances (Disposal) Notice 2017

Disposal Requirements

Not applicable as substance/ material is non hazardous.

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

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

Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
white mineral oil (petroleum)	Not Available
diphenylamine	Not Available
ethyl acrylate	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
white mineral oil (petroleum)	Not Available
diphenylamine	Not Available
ethyl acrylate	Not Available

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
Not Applicable	Not Applicable

Please refer to Section 8 of the SDS for any applicable tolerable exposure limit or Section 12 for environmental exposure limit.

white mineral oil (petroleum) is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List

Chemwatch: 22-6499 Version No: 8.1

LE4010 QUINPLEX White Oil H1

Not Applicable	Not Applicable
Hazard Class	Quantities
Subject to the Health and	d Safety at Work (Hazardous Substances) Regulations 2017.
azardous Substance	e Location
Not Applicable	
dditional Regulatory	/ Information
New Zealand Workplace	Exposure Standards (WES)
New Zealand Inventory c	
New Zealand Hazardous	Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data
New Zealand Hazardous	Substances and New Organisms (HSNO) Act - Classification of Chemicals
New Zealand Approved H	Hazardous Substances with controls
International Agency for I	Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2B: Possibly carcinogenic to humans
International Agency for I	Research on Cancer (IARC) - Agents Classified by the IARC Monographs
Chemical Footprint Proje	ct - Chemicals of High Concern List
ethyl acrylate is found	on the following regulatory lists
New Zealand Workplace	Exposure Standards (WES)
New Zealand Inventory c	
	Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data
New Zealand Hazardous	Substances and New Organisms (HSNO) Act - Classification of Chemicals
International WHO List of	f Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)
International Agency for I	Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2B: Possibly carcinogenic to humans
International Agency for I	Research on Cancer (IARC) - Agents Classified by the IARC Monographs
diphenylamine is found	I on the following regulatory lists
New Zealand Workplace	Exposure Standards (WES)
New Zealand Inventory of	f Chemicals (NZIoC)
New Zealand Hazardous	Substances and New Organisms (HSNO) Act - Classification of Chemicals
New Zealand Approved H	Hazardous Substances with controls
International Agency for I	Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic
International Agency for I	Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans

Subject to Part 4 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Class of substance	Quantities
Not Applicable	Not Applicable

Refer Group Standards for further information

Maximum quantities of certain hazardous substances permitted on passenger service vehicles

Subject to Regulation 13.14 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Hazard Class	Gas (aggregate water capacity in mL)	Liquid (L)	Solid (kg)	Maximum quantity per package for each classification
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Tracking Requirements

Not Applicable

National Inventory Status

National Inventory	Status	
Australia - AIIC / Australia Non-Industrial Use	Yes	
Canada - DSL	Yes	
Canada - NDSL	No (white mineral oil (petroleum); diphenylamine; ethyl acrylate)	
China - IECSC	Yes	
Europe - EINEC / ELINCS / NLP	Yes	

National Inventory	Status	
Japan - ENCS	Yes	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	All chemical substances in this product have been designated as TSCA Inventory 'Active'	
Taiwan - TCSI	Yes	
Mexico - INSQ	Yes	
Vietnam - NCI	Yes	
Russia - FBEPH	Yes	
Yes = All CAS declared ingredients are on the inventory Legend: No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will r registration.		

SECTION 16 Other information

Revision Date	23/12/2022
Initial Date	01/11/2009

SDS Version Summary

Version	Date of Update	Sections Updated
7.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification
8.1	23/12/2022	Classification review due to GHS Revision change.

Other information

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.

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.

Definitions and abbreviations

- PC TWA: Permissible Concentration-Time Weighted Average
- PC STEL: Permissible Concentration-Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit.
- IDLH: Immediately Dangerous to Life or Health Concentrations
- ES: Exposure Standard
- OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- LOD: Limit Of Detection
- OTV: Odour Threshold Value
- BCF: BioConcentration Factors
- BEI: Biological Exposure Index
- DNEL: Derived No-Effect Level
- PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances
- ELINCS: European List of Notified Chemical Substances
- NLP: No-Longer Polymers
- ENCS: Existing and New Chemical Substances Inventory
- KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- TSCA: Toxic Substances Control Act
- TCSI: Taiwan Chemical Substance Inventory

- INSQ: Inventario Nacional de Sustancias Químicas
- NCI: National Chemical Inventory
- + FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

This document is copyright.

Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH.

TEL (+61 3) 9572 4700.