

### TECHNICAL WHITE OIL

#### SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name:</b>	TECHNICAL WHITE OIL
<b>Product Use:</b>	Typically used as a blending base in a variety of applications, including cosmetic, pharmaceutical, food and general
<b>Supplier:</b>	Vertex Lubricants NZ 22 Marphona Crescent Takanini 2105 Phone: 09/640 0004 Email: info@vertexlubricants.co.nz
<b>Emergency Number:</b>	0800 353 645
<b>Chemical Nature:</b>	Refined Mineral Oils
<b>Issue Date:</b>	8 August 2024 and is valid for 5 years from this date.

#### SECTION 2 – HAZARDS IDENTIFICATION

**Poisons Schedule** Not Scheduled

#### Globally Harmonised System

**Hazard Classification** Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

#### Pictograms



**Hazard Categories** Aspiration Hazard - Category 1  
**Signal Word** **Danger**

**Hazard Statements** May be fatal if swallowed and enters airways.

<b>Precautionary Statements</b>	Response	<b>P301+ P310</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
		<b>P331</b>	Do NOT induce vomiting.
	Storage	<b>P405</b>	Store locked up.
	Disposal	<b>P501</b>	Dispose of contents/container in accordance with local / regional / national / international regulations.

#### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	% (w/w)	CAS number
Refined Mineral Oils	<= 100 %	8042-47-5

### SECTION 4 – FIRST AID MEASURES

#### *Description of necessary measures according to routes of exposure*

<b>Swallowed</b>	IF SWALLOWED: Rinse mouth, then give a glass of water. Do NOT induce vomiting. Immediately call a Poison Centre or doctor/physician for advice. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person.
<b>Eye</b>	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention. *Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
<b>Skin</b>	IF ON SKIN: Remove and isolate contaminated clothing and shoes. Immediately flush skin with running water (and soap, if available) for at least 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.
<b>Inhaled</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Do not use method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with mouth-to-mouth a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Medical Conditions</b>	No information available.
<b>Aggravated by Exposure</b>	

### SECTION 5 – FIRE FIGHTING MEASURES

<b>General Measures</b>	Alert Fire Brigade and tell them location and nature of hazard. If safe to do so, move undamaged containers from fire area. Cool container with water spray until well after fire is out.
<b>Flammability Conditions</b>	Combustible liquid; May burn but does not ignite readily.
<b>Extinguishing Media</b>	Use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray or fog (Large fires only) for extinction.
<b>Fire and Explosion Hazard</b>	Avoid contamination with oxidizing agents, as ignition may results. Containers may explode when heated.
<b>Hazardous Products of Combustion</b>	Fire may produce irritating, toxic and/or corrosive gases.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may cause pollution.
<b>Personal Protective Equipment</b>	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
<b>Flash Point</b>	>150°C [Closed cup]
<b>Lower Explosion Limit</b>	No Data Available

<b>Upper Explosion Limit</b>	No Data Available
<b>Autoignition Temperature</b>	No Data Available
<b>Hazchem Code</b>	No Data Available

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Clean up all spills immediately! Avoid breathing vapours and contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Pick up with sand or other non-combustible absorbent material and place into containers for later disposal (see SECTION 13).
<b>Containment</b>	Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far ahead of large spill for later disposal.
<b>Decontamination</b>	No information available.
<b>Environmental Precautionary Measures</b>	Prevent entry into soils, drains and waterways.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
<b>Personal Precautionary Measures</b>	Control personal contact with the substance by using protective equipment (see SECTION 8).

### SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours and contact with eyes, skin and clothing. Do not ingest. Wear protective clothing when risk of exposure occurs (see SECTION 8). Keep away from heat and sources of ignition - No smoking. Avoid contact with incompatible materials.
<b>Storage</b>	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers securely sealed when not in use. Avoid physical damage to containers. Keep away from heat and sources of ignition - No smoking. Keep away from food/feedstuffs and incompatible materials (see SECTION 10). Store locked up.
<b>Container</b>	Keep in the original or suitable container. Check all containers are clearly labelled and free from leaks.

### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>General</b>	No specific exposure standards are available for this product. For Oil mist, refined mineral: - Safe Work Australia Exposure Standard: TWA = 5 mg/m <sup>3</sup> . - New Zealand Workplace Exposure Standard: TWA = 5 mg/m <sup>3</sup> ; STEL = 10 mg/m <sup>3</sup> (sampled by a method that does not collect vapour).
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.

<b>Engineering Measures</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
<b>Personal Protection Equipment</b>	<ul style="list-style-type: none"><li>- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Type A-P Filter of sufficient capacity (refer to AS/NZS 1715 &amp; 1716).</li><li>- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side shields or Chemical goggles.</li><li>- Hand protection: Handle with gloves. Recommended: Professional/industrial gloves. Replace the gloves at the first sign of deterioration.</li><li>- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls; Barrier cream.</li></ul>
<b>Special Hazards Precautions</b>	Prevent concentration in hollows and sumps. Do NOT enter confined spaces until atmosphere has been checked. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.
<b>Work Hygienic Practices</b>	Do not eat, drink or smoke when using this product. Always wash hands with soap and water after handling. Take off contaminated clothing and wash it before reuse. Work clothes should be laundered separately. *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.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Oily liquid
<b>Odour</b>	None
<b>Colour</b>	Colourless, transparent
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	<0.013 kPa (@ Room temperature)
<b>Relative Vapour Density</b>	>1 Air = 1
<b>Boiling Point</b>	No Data Available
<b>Melting Point</b>	<- 12 C (Pour point) [ASTM D-97]
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Immiscible with water
<b>Specific Gravity</b>	0.810 - 0.880 kg/m <sup>3</sup> [ASTM D-1298]
<b>Flash Point</b>	>150°C [Closed cup]
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available

<b>Density</b>	No Data Available
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	No Data Available
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	No Data Available
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available
<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	11 - 18 cSt (@ 40°C)
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	DMSO extractible compound (according to IP-346): <3 %
<b>Potential for Dust Explosion</b>	Not applicable.
<b>Fast or Intensely Burning Characteristics</b>	No information available.
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No information available.
<b>Non-Flammables That Could Contribute</b>	No information available.
<b>Unusual Hazards to a Fire</b>	
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	Combustible liquid; May burn but does not ignite readily. *Avoid contamination with oxidizing agents, as ignition may results.
<b>Reactions That Release Gases or Vapours</b>	Fire/decomposition may produce irritating, toxic and/or corrosive gases.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

### SECTION 10 – STABILITY AND REACTIVITY

<b>General Information</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Chemical Stability</b>	Stable.
<b>Conditions to Avoid</b>	Avoid temperatures exceeding the flash point and sources of ignition.
<b>Materials to Avoid</b>	Avoid reaction with oxidizing agents, i.e. nitrates, oxidizing acids, chlorine acids, chlorine bleaches, pool chlorine, etc.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Fire/decomposition may produce irritating, toxic and/or corrosive gases.
<b>Hazardous Polymerisation</b>	No information available.

### SECTION 11 – TOXICOLOGICAL INFORMATION

<b>General Information</b>	<ul style="list-style-type: none"><li>- Acute toxicity: Not classified. Ingestion may cause nausea, vomiting and diarrhoea.</li><li>- Skin corrosion/irritation: Not classified. May be irritating to the skin.</li><li>- Eye damage/irritation: Not classified. May cause minor irritation on eye contact.</li><li>- Respiratory/skin sensitisation: Not classified.</li><li>- Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</li><li>- Carcinogenicity: No known significant effects or critical hazard.</li><li>- Reproductive toxicity: Contains no ingredient listed as toxic to reproduction.</li><li>- STOT (single exposure): Not classified. Mist of this product may cause irritation to the respiratory tract (mucous membranes).</li><li>- STOT (repeated exposure): Not classified.</li><li>- Aspiration toxicity: May be fatal if swallowed and enters airways. Aspiration may cause pulmonary oedema and pneumonitis.</li></ul>
<b>Carcinogen Category</b>	None

### SECTION 12 – ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The product is not expected to be hazardous to the environment.
<b>Persistence/Degradability</b>	No information available.
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Prevent entry into soils, drains and waterways.
<b>Bioaccumulation Potential</b>	No information available.
<b>Environmental Impact</b>	No Data Available

### SECTION 13 – DISPOSAL CONSIDERATION

<b>General Information</b>	Dispose of contents/container in accordance with local/regional/national regulations.
<b>Special Precautions for Land Fill</b>	This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.

### SECTION 14 – TRANSPORT INFORMATION

<b>Land Transport (New Zealand) NZS5433</b>	Light White Oil
<b>Proper Shipping Name Class</b>	No Data Available No Data Available

**Subsidiary Risk(s)** No Data Available  
**UN Number** No Data Available  
**Hazchem** No Data Available  
**Pack Group** No Data Available  
**Special Provision** No Data Available  
**Comments** NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Sea Transport**  
**IMDG Code**

**Proper Shipping Name** Light White Oil  
**Class** No Data Available  
**Subsidiary Risk(s)** No Data Available  
**UN Number** No Data Available  
**Hazchem** No Data Available  
**Pack Group** No Data Available  
**Special Provision** No Data Available  
**EMS** No Data Available  
**Marine Pollutant** No  
**Comments** NON-DANGEROUS GOODS: Not regulated for SEA transport.

**Air Transport**  
**IATA DGR**

**Proper Shipping Name** Light White Oil  
**Class** No Data Available  
**Subsidiary Risk(s)** No Data Available  
**UN Number** No Data Available  
**Hazchem** No Data Available  
**Pack Group** No Data Available  
**Special Provision** No Data Available  
**Comments** NON-DANGEROUS GOODS: Not regulated for AIR transport.

### SECTION 15 – REGULATORY INFORMATION

**General Information** No Data Available  
**Poisons Schedule (Aust)** Not Scheduled

**Environmental Protection Authority (New Zealand)**  
 Hazardous Substances and New Organisms Amendment Act 2015

**Approval Code** HSR002503- Additives Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2020

**National/Regional Inventories**

**Australia (AIC)** Listed  
**Canada (DSL)** Listed

<b>Canada (NDSL)</b>	Not Listed
<b>China (IECSC)</b>	Listed
<b>Europe (EINECS)</b>	Not Determined
<b>Europe (REACH)</b>	Not Determined
<b>Japan (ENCS/METI)</b>	Not Determined
<b>Korea (KECI)</b>	KE-35412
<b>Malaysia (EHS Register)</b>	Not Determined
<b>New Zealand (NZIoC)</b>	Listed
<b>Philippines (PICCS)</b>	Listed
<b>Switzerland (Giftliste 1)</b>	Not Determined
<b>Switzerland (Inventory of Notified Substances)</b>	Not Determined
<b>Taiwan (NCSR)</b>	Listed
<b>USA (TSCA)</b>	Listed

## SECTION 16 – OTHER INFORMATION

### Key to Legend

< Less Than

> Greater Than

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm<sup>2</sup> Square Centimetres

CO<sub>2</sub> Carbon Dioxide

COD Chemical Oxygen Demand

deg C (C) Degrees Celcius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Farenheit

g Grams

g/cm<sup>3</sup> Grams per Cubic Centimetre

g/l Grams per Litre

HSNO Hazardous Substance and New Organism

IDLH Immediately Dangerous to Life and Health

immiscible Liquids are insoluable in each other.

inHg Inch of Mercury

inH<sub>2</sub>O Inch of Water

K Kelvin

kg Kilogram

kg/m<sup>3</sup> Kilograms per Cubic Metre

lb Pound

LC<sub>50</sub> LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.



LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

ltr or L Litre

m<sup>3</sup> Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram

mg/m<sup>3</sup> Milligrams per Cubic Metre

Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre

mmH<sub>2</sub>O Millimetres of Water

mPa.s Millipascals per Second

N/A Not Applicable

NIOSH National Institute for Occupational Safety and Health

NOHSC National Occupational Health and Safety Commission

OECD Organisation for Economic Co-operation and Development

Oz Ounce

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion

ppm Parts per Million

ppm/2h Parts per Million per 2 Hours

ppm/6h Parts per Million per 6 Hours

psi Pounds per Square Inch

R Rankine

RCP Reciprocal Calculation Procedure

#### Date of issue

8 August 2024

**This MSDS contains only safety-related information. For other data see product literature.**

MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

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