

TECHNICAL WHITE OIL

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	TECHNICAL WHITE OIL
Product Use:	Typically used as a blending base in a variety of applications, including cosmetic, pharmaceutical, food and general
Supplier:	Vertex Lubricants NZ 22 Marphona Crescent Takanini 2105 Phone: 09/640 0004 Email: info@vertexlubricants.co.nz
Emergency Number:	0800 353 645
Chemical Nature:	Refined Mineral Oils
Issue Date:	14 May 2025 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.

Precautionary Statements	Response	P301+ P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
		P331	Do NOT induce vomiting.
	Storage	P405	Store locked up.
	Disposal	P501	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

Swallowed	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.
Eye	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.
Skin	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.
Inhaled	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.
Advice to Doctor	Treat symptomatically.
Medical Conditions	No information available.
Aggravated by Exposure	

SECTION 5 – FIRE FIGHTING MEASURES

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

Upper Explosion Limit	No Data Available
Autoignition Temperature	No Data Available
Hazchem Code	No Data Available

SECTION 6 – ACCIDENTAL RELEASE MEASURES

General Response Procedure	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.
Clean Up Procedures	Pick up with sand or other non-combustible absorbent material and place into containers for later disposal (see SECTION 13).
Containment	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.
Decontamination	No information available.
Environmental Precautionary Measures	Prevent entry into soils, drains and waterways.
Evacuation Criteria	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
Personal Precautionary Measures	Control personal contact with the substance by using protective equipment (see SECTION 8).

SECTION 7 – HANDLING AND STORAGE

Handling	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.
Storage	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.
Container	Keep in the original or suitable container. Check all containers are clearly labelled and free from leaks.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

Engineering Measures	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.
Personal Protection Equipment	- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Type A-P Filter of sufficient capacity (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side shields or Chemical goggles. - Hand protection: Handle with gloves. Recommended: Professional/industrial gloves. Replace the gloves at the first sign of deterioration. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls; Barrier cream.
Special Hazards Precautions	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.
Work Hygienic Practices	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

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

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

SECTION 10 – STABILITY AND REACTIVITY

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

SECTION 11 – TOXICOLOGICAL INFORMATION

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

SECTION 12 – ECOLOGICAL INFORMATION

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

SECTION 13 – DISPOSAL CONSIDERATION

General Information	Dispose of contents/container in accordance with local/regional/national regulations.
Special Precautions for Land Fill	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

Land Transport (New Zealand) NZS5433	Light White Oil
Proper Shipping Name	No Data Available
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 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
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National/Regional Inventories

Australia (AIIC)	Listed
Canada (DSL)	Listed

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

cm² Square Centimetres

CO₂ 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/cm³ 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

inH₂O Inch of Water

K Kelvin

kg Kilogram

kg/m³ Kilograms per Cubic Metre

lb Pound

LC₅₀ LC stands for lethal concentration. LC₅₀ 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

m³ Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram

mg/m³ Milligrams per Cubic Metre

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

mm Millimetre

mmH₂O 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

14 May 2025

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

SDS 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.

Please read all labels carefully before using product.