vertex lubricants
Oils // Grease // Coolant // Chemicals

SDS
Safety Data Sheet

AIR DRY PARTS WASH - BULK

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Air Dry Parts Wash
Product Use:	Industrial Solvent Cleaner
Supplier:	Vertex Lubricants NZ 22 Marphona Crescent Takanini 2105 Phone: 09/640 0004 Email: info@vertexlubricants.co.nz
Emergency Number:	0800 764 766 (0800 POISON) National Poison Centre
Issue Date:	4 September 2024 and is valid for 5 years from this date.

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the product

Considered a hazardous substance according to the Hazardous Substance (Minimum Degrees of Hazard) Regulations NZ.

Classified as dangerous goods for transport purposes.

HSNO Classifications:

3.1B	Flammable Liquids: high hazard
6.1D	Acutely toxic (aspiration)
6.3A	Skin irritation
6.4A	Eye Irritation
6.9B	Harmful to human target organs/systems (Repeated)(Narcotic)
9.1B	Toxic to the aquatic environment with long lasting effects

GHS Classifications:

Flammable Liquids	Category 2
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Eye Irritation	Category 2
STOT (repeated exposure)	Category 3 (Narcotic)
Aquatic Toxicity (Chronic)	Category 2

Signal Words: Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H320	Causes eye irritation
H372	Causes damage to organs through prolonged or repeated exposure
H410	Very toxic to aquatic life with long lasting effects

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
Naphtha (petroleum) hydrotreated light	64742-49-0	100%

SECTION 4 – FIRST AID MEASURES

If medical advice is needed, have product container or label at hand.

If exposed or if you feel unwell: Call a POISON CENTRE or doctor.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get to hospital or doctor without delay.

Skin contact: IF ON SKIN: Remove all contaminated clothing. Wash with plenty of soap and water. Get medical advice. Wash contaminated clothing/footwear before re-use.

Inhalation: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor immediately.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting. If vomiting occurs lean patient forward or place on left side to maintain an open airway and prevent aspiration in the lungs. Obtain immediate medical attention.

Notes to physician: Treat symptomatically and supportively. No specific antidote.

SECTION 5 – FIRE FIGHTING MEASURES

General fire hazards: Extremely flammable liquid.

Specific hazards: Containers can build up pressure if exposed to heat and/or fire and may explode. Vapours may form an explosive mixture with air. Vapours can travel to a source of ignition and flash back. Contents may float and be re-ignited on surface water.

Further advice: On burning may emit toxic fumes including those of carbon monoxide and carbon dioxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion. Use water spray to keep fire-exposed containers cool.

Extinguishing media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.
For large fires: Use water spray, fog, or foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do not discharge extinguishing water into the aquatic environment.
Do NOT use straight streams of water.

Protective equipment: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Firefighting instructions: In the event of fire, cool containers with water spray to prevent vapour pressure build up. Move containers from fire area if you can do so without risk. Runoff can cause environmental damage.

Hazchem Code: 3YE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Minor spills: Clean up all spills immediately. Remove all sources of ignition. If safe to do so, damaged containers should be placed in a container outdoors, away from all ignition sources. Undamaged containers should be gathered and stowed safely. Provide ventilation. Collect spillage.

Major spills: Evacuate the spill area. Call the Fire Brigade. Remove all sources of ignition. Vapours form explosive mixture with air. If safe to do so, prevent spillage from entering drains or water courses. If material enters drains, advise emergency services. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Precautions: Read product label before use. Keep out of reach of children.

This product is highly flammable. Keep away from heat and open flames/hot surfaces. No smoking. Do not use near an open flame or other ignition source. Use in a well-ventilated area. Avoid breathing vapours. Wash hands with soap and water after handling. Avoid release to the environment.

Storage: Protect from sunlight. Store in a well-ventilated, cool, dry place. Keep away from heat, sparks and flames. Keep container tightly closed. Store locked up.

SECTION 8 – EXPOSURE CONTROLS AND PEROSNAL PROTECTION

Exposure Limits: No value assigned for product. Exposure standards for constituents (NZ WES);

Material	TWA, mg/m^3	STEL, mg/m^3
Naphtha (petroleum) hydrotreated light	1,200	1,600

Additional Information: Wash hands before eating, drinking and smoking.

Engineering Controls: No controls required when handling small quantities. Use with adequate ventilation. General exhaust is adequate under normal operating conditions. Ventilation, lighting and electrical equipment should be explosion-resistant. Use only non-sparking tools. Take precautionary measures against static discharge.

Protective Equipment: In an industrial environment: chemical gloves, safety glasses, chemical goggles and protective gloves are recommended. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.
In case of inadequate ventilation wear respiratory protection. If TWA is exceeded, wear an approved respirator with a type A filter.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Clear colourless liquid
pH:	Not applicable
Vapour Density:	> 1 (Air =1)
Vapour Pressure, kPa:	About 5
Boiling Point, °C:	80 - 110
Melting Point, °C:	-91®
Specific Gravity:	About 0.7
Flash Point, °C:	-4®
Explosion Limit, % v/v:	**LEL 1.1**% **UEL 6.6**%
Autoignition Temp, °C:	> 200
Solubility:	Minimal solubility in water.

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use. Not reactive. Avoid oxidisers. Avoid elevated temperatures.

SECTION 11 – TOXICOLOGICAL INFORMATION

Basis for Assessment:	Information given is based on product testing, and/or similar products, and/or components.
Acute Oral Toxicity:	LD_{50} estimated to be > 5,000 mg/kg (based on component mixture).
Acute Dermal Toxicity:	LD_{50} estimated to be > 3,000 mg/kg (based on component mixture).
Acute Inhalation Toxicity:	LC_{50} estimated to be > 18 mg/L, Rat 4 hour (based on component mixture). May cause drowsiness and dizziness (Narcotic effects)
Skin Irritation:	Mildly irritating to the skin. Avoid contact with skin.
Eye Irritation:	May be irritating to the eye. Contact with eyes may cause short term discomfort.
Respiratory Irritation:	Inhalation of vapours may cause irritation to the upper respiratory system. May be fatal if swallowed and enters airways through aspiration.
Sensitisation:	Not expected to be a contact or respiratory sensitiser.
Mutagenicity:	Not expected to be mutagenic
Carcinogenicity:	Not expected to be carcinogenic.
Reproductive Toxicity:	Not expected to be a human reproductive toxicant
Effects on or via lactation:	Not expected to be toxic effects on or vis lactation.
Specific Target Organ Toxicity:	Harmful to human target organs or systems.
STOT (Narcotic)	Prolonged inhalation of vapours may be narcotic and cause drowsiness or dizziness.
Repeated Dose Toxicity:	Central nervous system: repeated exposure may affect the nervous system. Prolonged skin contact with product may result in irritant contact dermatitis.
Additional Information:	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	Product is harmful to aquatic organisms with long lasting effects.
Mobility:	Not available.
Persistence /degradability:	Not available.
Bioaccumulation Potential:	Not expected to be bioaccumulate.

SECTION 13 – DISPOSAL CONSIDERATION

Material Disposal:	Product wastes are ecotoxic and should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water. Large quantities should be handled by a suitable disposal facility. Incineration in an authorised facility is suggested.

Container Disposal:	Recycle empty container in an approved recycling stream. Product containers are also considered wastes of the same class of the contents and should be disposed of in accordance with applicable regulations.

SECTION 14 – TRANSPORT INFORMATION

Transport:	Classified as a Dangerous Good for transport purposes
Proper Shipping Name:	PETROLEUM DISTILLATES, (N.O.S. (Naptha, petroleum, hydrotreated light)
UN Number:	1268
Dangerous Goods Class:	3
Transport Labels Required:	Class 3 Flammable, Marine Pollutant (Land, Sea and Air) Land, Sea, Air

Subsidiary Risk:	Not applicable
Packing Group:	II
Marine Pollutant:	Yes
EMS Number	F-E, S-D
Limited Quantity:	1 L
DG Segregation:	This product is classified as a Dangerous Goods. Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

SECTION 15 – REGULATORY INFORMATION

EPA Approval Number:	HSR002495 Additives Process Chemicals and Raw Materials (Flammable) Group Standard 2020.
Inventory Listing	NZIOC **(**New Zealand Inventory of Chemicals); All components of this product are listed.
SDS regulations	This Safety Data Sheet was prepared in accordance with the EPA Hazardous Substances (Safety Data Sheets) Notice July 2017. (Consolidated 30 September 2022)
EPA Hsno Controls:	Refer to www.epa.govt.nz for information on Controls. This substance is to be managed using the conditions specified in an applicable Group Standard.

SECTION 16 – OTHER INFORMATION

Additional information:	Personal Protective Equipment Guidelines: The recommendation for the protective equipment contained is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made. Health effects from exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used;

effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that the user will assess the risks and apply control methods where appropriate.

Abbreviations

AICS	Australian Inventory of Chemical Substances
ADG	Australian Code for the Transport of Dangerous Goods
CAS	Chemical Abstract Service number
EMS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EPA	Environmental Protection Agency
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
LEL	Lower Explosion Limit
mg/m^3	Milligrams per Cubic Metre
NZIoC	New Zealand Inventory of Chemicals
N.O.S.	Not otherwise specified
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
TLV	Threshold Limit Value
TWA	Time Weighted Average
UEL	Upper Explosion Limit

Date of issue/Date of revision

Current Version: 5 September 2024

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 SDS 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.