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

MSDS
Material Safety Data Sheet

VERTEX TYRE SHINE (AEROSOL) MSDS

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Vertex Tyre Shine Aerosol
Product Use:	Clear multi-purpose lubricant and protectant aerosol.
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:	Heptanes, Isohexane, Hydrocarbon propellant (LPG - Propane, Butane)
Issue Date:	5 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 a dangerous goods for transport purposes.

GHS Classifications:	HSNO Classifications:
Aerosol Category 1	2.1.2A Flammable aerosol
Eye irritation Category 2	6.4A Irritating to the eyes
Aquatic toxicity (chronic) Category 2 (chronic)	9.1B Ecotoxic in the aquatic environment with long lasting effects

Signal Words: Danger

Hazard Statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
Heptanes	142-82-5	10 - 30
Isohexane	107-83-5	10 - 30
Hydrocarbon propellant (LPG - Propane, Butane)	68476-85-7	30 - 60
Non-hazardous ingredients	-	to 100

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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 (0800 764 766) 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 medical advice.
Skin contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice.
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.
Ingestion:	IF SWALLOWED: Call a POISON CENTRE or doctor. Do NOT induce vomiting. Obtain immediate medical attention.
Notes to physician:	Treat symptomatically and supportively. No specific antidote.

SECTION 5 – FIRE FIGHTING MEASURES

General fire hazards	Pressurised, extremely flammable aerosol.
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. May float and be reignited on surface water. Will burn if involved in a fire.
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.
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 waters 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:	2YE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Minor spills:	Clean up all spills immediately. Remove all sources of ignition. If safe to do, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Provide ventilation. Wash with water.
Major spills:	Evacuate the spill area. Call the Fire Brigade. Remove all sources of ignition. 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 outdoors or in well-ventilated area. Avoid breathing vapour. Beware: Deliberately sniffing or inhaling concentrated contents can be harmful or fatal. Wash hands with soap and water after handling. Avoid release to the environment.

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Storage: Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Store in a well-ventilated, cool, dry place. Keep away from heat, sparks, and flame. 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
Heptanes	1,640	2,050
LPG (Liquefied petroleum gas – butane, propane)	1,800	-

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

Engineering Controls: No controls required when handling small quantities. Use outdoors or with adequate ventilation.
Larger quantities: General exhaust is adequate under normal operating conditions. Ventilation equipment and lighting should be explosion-resistant.

Protective Equipment: Generally, not required for small quantities. In an industrial environment: gloves, safety glasses or chemical goggles 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 oily liquid spray.
pH:	Not applicable.
Vapour Density:	> 1 (Air =1)
Vapour Pressure, kPa:	300 - 600
Boiling Point, °C:	About 60
Melting Point, °C:	Not applicable.
Specific Gravity:	About 0.72
Flash Point, °C:	< 0 (propellant)
Explosion Limit, % v/v:	LEL 1.2% UEL 9.5%
Autoignition Temp, °C:	Not applicable.
Solubility:	Not soluble 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, excluding propellant).

Acute Dermal Toxicity: LD_{50} estimated to be > 5,000 mg/kg (based on component mixture, excluding propellant).

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Acute Inhalation Toxicity:	LC_{50} estimated to be > 20 mg/L, Rat 4 hour (based on component mixture). Beware: Deliberately sniffing or inhaling concentrated contents can be harmful or fatal.
Skin Irritation:	May cause skin irritation. Prolonged/repeated contact may cause contact dermatitis.
Eye Irritation:	Spray may be irritating to the eye.
Inhalation:	May cause drowsiness or dizziness. Inhalation may cause narcotic effects.
Respiratory Irritation:	Inhalation of vapours or mists may cause irritation to the respiratory system.
Sensitisation:	Product is not expected to be a sensitiser.
Mutagenicity:	Not expected to be mutagenic.
Carcinogenicity:	Product is not a suspected human carcinogen.
Reproductive toxicity:	Not expected to be toxic.
Specific Target Organ Toxicity:	Not expected to be toxic.
STOT (Narcotic):	Prolonged inhalation of vapours may be narcotic and cause drowsiness or dizziness.
Repeated Dose Toxicity:	Prolonged and repeated 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:	Large quantities are ecotoxic in the aquatic environment with long lasting effects.
Mobility:	Product partially absorbs into soil, remainder is volatile.
Persistence/ degradability:	More volatile components are expected to degrade in air. Not expected to bioaccumulate.

SECTION 13 – DISPOSAL CONSIDERATION

Material Disposal:	Product wastes should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Large quantities should be degassed by an aerosol recycler. Do not dispose of large quantities of pressurised aerosols in landfills. Incineration in an authorised facility is suggested.
Container Disposal:	Recycle empty container if possible. 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. Class 2.1 should not be loaded on the same vehicle as Classes 1, 3 (where both are in bulk), 4, 5, and 7. They may be loaded with Classes 3, 6, 8, 9, foodstuffs and foodstuff empties.
Proper Shipping Name:	Aerosols
UN Number:	1950
Dangerous Goods Class:	2.1
Subsidiary Risk:	Not applicable
Packing Group:	Not applicable

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Transport Labels Required:	Class 2 Flammable (Land, Sea and Air), EHSM (Sea and Air)

Land, Sea, Air

Sea, Air

Marine Pollutant:	Yes
EMS Number	F-D, S-U (UN 1950 Flammable aerosols)
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

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.
EPA Approval Number:	HSR002515 Aerosols (Flammable) Group Standard 2020.
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: 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 users will assess the risks and apply control methods where appropriate.

Abbreviations

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
LC_{50}	Lethal Concentration, 50% / Median Lethal Concentration
LD_{50}	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

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TWA	Time Weighted Average
UEL	Upper Explosion Limit

Date of issue/Date of revision

Current Version: 5 September 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.

Please read all labels carefully before using product.

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