

VERTEX BLACK PAINT MSDS

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	VERTEX BLACK PAINT
Product Use:	Fast drying gloss enamel paint aerosol for wood, metal or fibreglass.
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:	Acetone, Toluene, Naphtha Petroleum Heavy, Hydrotreated, n-Butanol, Carbon Black, Hydrocarbon propellant (LPG - Propane, Butane)
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 a dangerous goods for transport purposes.

GHS Classifications:

Aerosol Category 1
Acute toxicity Inhalation Category 4
Skin irritation Category 3
Eye irritation Category 2
Carcinogenicity Category 2
Reproductive toxicity Category 2
STOT (Repeated exposure) Category 2

STOT (Single exposure) Category 3

Aquatic toxicity (chronic) Category 2

HSNO Classifications:

2.1.2A Flammable aerosol
6.1D Acutely toxic (inhalation)
6.3A Irritating to the skin
6.4A Irritating to the eye
6.7B Suspected human carcinogen
6.8B Suspected human reproductive or developmental toxicant
6.9B Harmful to human target organs or systems (Repeated exposure)
6.9B Harmful to human target organs or systems (Narcotic, single exposure)
9.1B Ecotoxic in the aquatic environment with long lasting effects (chronic)



Signal Words: Danger

Hazard Statements

H222	Extremely flammable aerosol.	H336	May cause drowsiness or dizziness.
H229	Pressurised container: May burst if heated	H351	Suspected of causing cancer.
H315	Causes skin irritation.	H361	Suspected of damaging fertility or the unborn child.
H319	Causes serious eye irritation.	H373	May cause damage to organs through prolonged or
H332	Harmful if inhaled.	H411	Toxic to aquatic life with long lasting effects.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
Acetone	67-64-1	10 - 30
Toluene	108-88-3	10 - 30
Naphtha Petroleum Heavy, Hydrotreated	64742-48-9	10 - 30
n-Butanol	71-36-3	1 - 10
Carbon Black	1333-86-4	1 - 10
Hydrocarbon propellant (LPG - Propane, Butane)	68476-85-7	10 - 30
Non-hazardous ingredients		to 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 (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.

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 labeled containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling: Obtain special instructions before use. Read product label before use. Keep out of reach of children.

Precautions: This product is highly flammable. Keep away from heat and open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurised container: Do not pierce or burn, even after use. Use in a well-ventilated area. Avoid breathing spray. Wash hands with soap and water after handling.

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 PERSONAL PROTECTION

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

Material	TWA, mg/m ³	STEL, mg/m ³
Acetone	1,185 (bio)	2,375 (bio)
Toluene	75 (skin, bio)	377 (skin, bio)
Naphtha Petroleum Heavy, Hydrotreated	5 (oil mist)	10 (oil mist)
n-Butanol	-	150 (skin peak)
Carbon Black	3 (carc C2)	-
LPG (Liquefied petroleum gas – butane, propane)	1800	-

(bio) - Exposure can also be estimated by biological monitoring.

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: Black spray, solvent odour.

pH: Not applicable.

Vapour Density: > 1 (Air =1)

Vapour Pressure, kPa: 300 - 600

Boiling Point, °C: Not applicable.

Melting Point, °C: Not applicable.

Specific Gravity: About 0.75

Flash Point, °C: < 0 (propellant)

Explosion Limit, **LEL 1.2% UEL 9.5%**
% v/v:
Autoignition Not applicable.
Temp, °C:
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: LD₅₀ estimated to be 2,880 mg/kg (based on component mixture, excluding propellant).

Acute Dermal Toxicity: LD₅₀ estimated to be > 5,000 mg/kg (based on component mixture, excluding propellant).

Acute Inhalation Toxicity: LC₅₀ 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 defatting of the skin and dermatitis.

Eye Irritation: Spray may be irritating to the eye.

Inhalation: May cause drowsiness or dizziness. Inhalation will 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 a suspected human carcinogen.

Reproductive toxicity: Product is a suspected human reproductive or developmental toxicant.

Reproductive toxicity effects via lactation: Product not expected to have toxic human reproductive or developmental effects on or via lactation.

Specific Target Organ Toxicity: Harmful to human target organs or systems (Repeated or prolonged exposure)

Dose Toxicity: Prolonged contact with product may result in irritant contact dermatitis.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Ecotoxic in the aquatic environment with long lasting effects.

Mobility: Product is partially volatile and large proportion will rapidly evaporate to the air if released into water.

Persistence / degradability: More volatile components are expected to degrade in air. Some components may be persistent and may 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: Recycle empty container if possible. Product containers are also considered wastes of the same class of
Disposal: 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

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
TWA	Time Weighted Average
UEL	Upper Explosion Limit

Date of issue/Date of revision

Current Version: 4 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.