Safety Data Sheet
Vorchem Wheel Silver Paint 400mL Aerosol

Classified as: Hazardous according to the EPA Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: Vorchem Wheel Silver Paint 400mL Aerosol

Supplier: Bream Aerosol Packaging Ltd
58 Maioro Road
Otaua
RD2, Waiuku 2682
New Zealand

Phone: +64 9 235 2881

Email: breamaerosol@xtra.co.nz

Recommended Use: Aerosol paint

In Case of Emergency Contact:

National Poisons Centre: 0800 POISON (764 766)

Section 2: HAZARDS IDENTIFICATION

Vorchem Wheel Silver Paint is classified as a Dangerous Good for Transport.

Vorchem Wheel Silver Paint is classified as hazardous according to criteria in the EPA Hazardous Substances (Minimum Degrees of Hazards) Notice 2017.

Classified under the group standard "Aerosols (Flammable) Group Standard 2017"

HSNO APPROVAL NUMBER: **HSR002515**

HSNO CLASSIFICATIONS: 2.1.2A – Flammable aerosol
6.1D oral – Acutely toxic
6.3A – Skin irritant
6.4A – Eye irritant
6.8B – Suspected human reproductive or developmental toxicant
6.9B – Harmful to human target organs or systems (via inhalation routes)
9.1D – Slightly harmful in the aquatic environment
9.3C – Harmful to terrestrial vertebrates

GHS Classification: Flammable aerosols – Category 1
Acute toxicity oral – Category 4
Skin corrosion/irritation – Category 2
Serious eye damage/irritation – Category 2
Reproductive toxicity – Category 2
Specific target organ systemic toxicity (repeated exposure) – Category 2

Aquatic toxicity, chronic - Category 4

Note: There is no GHS equivalent for terrestrial vertebrate toxicity.

Hazard Statements:

H223 Flammable aerosol
H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H361 Suspected of damaging fertility or the unborn child
H373 May cause damage to organs (central nervous system) through prolonged or repeated exposure via inhalation
H413 May cause long-lasting harmful effects to aquatic life
H433 Harmful to terrestrial vertebrates

GHS Pictograms:

WARNING

PREVENTION STATEMENTS:

P102 - Keep out of reach of children.
P103 – Read label before use.
P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211 – Do not spray on an open flame or other ignition source.
P251 – Pressurised container. Do not pierce or burn, even after use.
P260 – Do not breathe fumes/vapours/spray.
P264 - Wash hands, exposed skin, thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.

RESPONSE STATEMENTS:

P101 – IF medical advice is needed, have product container or label at hand.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 – Rinse mouth.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
P332 + P313 – IF skin irritation occurs: Get medical advice/attention.
P362 – Take off contaminated clothing and wash before re-use.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 – IF eye irritation persists: Get medical advice/attention.
P308 + P313 – IF exposed or concerned: Get medical advice/attention.
P314 – Get medical advice/attention if you feel unwell.

DISPOSAL

P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Main Component	CAS Number	Concentration
Butane	106-97-8	10 – 30 %
Propane	74-98-6	10 – 30 %
Acetone	67-64-1	25 – 35 %
Toluene	108-88-3	38 – 52 %
Aluminium Paste	7429-90-5	7 – 10 %

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: FIRST AID MEASURES

Workplace Facilities Required: Eye wash and safety shower facilities should be provided.

If Inhaled: Remove to fresh air. Seek medical attention if symptoms persist.

In Contact with Eye: Hold eyes open, flush with water for at least 15 minutes. Seek medical attention if irritation develops and persists.

In Contact with Skin: Wash skin with plenty of water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek medical attention if skin irritation develops and persists.

If Swallowed: DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration to lungs.

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Product is flammable. Pressurised container.

Suitable Extinguishing Media: Foam, carbon dioxide or dry chemical powder.

Precautions in Connection with Fire: Combustion may produce oxides of carbon and aluminium.

Advice for firefighters: Wear full firefighting gear and self-contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan is required under Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 when held in quantities greater than 3,000L aggregate water capacity.

Precautions: Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Eliminate all sources of ignition. Ventilate the area. Do not breathe vapours.

Suitable Protective Equipment: Emergency responders must use personal protective equipment, including gloves, protective overalls and footwear, safety goggles or face shield and respiratory protection if there is a risk of inhaling vapours.

Spill or Leak Procedures. Allow aerosol can to fully discharge. Contain and absorb any spill with absorbent material such as sand, soil or clay. Transfer into a waste container using non-sparking tools. Ensure waste container is properly labelled.

Waste Disposal Methods: Dispose of as per Section 13.

Emergency preparation: Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Do not breathe vapours. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas. Keep away from ignition sources. Do not heat, puncture or cut aerosol cans. Vapours are heavier than air. Do not enter confined spaces where vapours may have accumulated.

Storage: Store away from ignition sources and incompatibles (refer Section 10). Keep out of direct sunlight.

Site Storage Requirements: Site Signage will be required when quantities exceed 3,000L aggregate water capacity.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No Workplace Exposure Standards have been established for this product but have been established for the following constituents:

Toluene (CAS 108-88-3)
TWA: 50 ppm, 188 mg/m^3

Acetone (CAS 67-64-1)
TWA 500 ppm, 1185 mg/m^3 STEL 1000 ppm, 2375 mg/m^3

Butane (CAS 106-97-8)
TWA 800 ppm, 1900 mg/m^3

Engineering Controls: Eyewash facilities and safety showers should be provided in the work area where there is a risk of exposure to eyes and skin. Vapours are heavier than air and care must be taken to prevent vapour build up in hollows or sumps. If use results in exposure to fumes/vapours, use engineering controls such as local exhaust

	ventilation to ensure workers are not exposed to concentrations that exceed workplace exposure standards.
Personal Protective Equipment:	Avoid contact with the skin and eyes. Avoid inhaling fumes/vapours.
Hand protection:	Wear protective gloves that are resistant to the product. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.
Skin and body protection:	Use protective clothing. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.
Eye protection:	Use chemical safety glasses with side shields or safety goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.
Respiratory protection:	Where there is inadequate ventilation, and use results in exposure to vapours, use a respirator fitted with solvent vapour cartridges and particulate filters. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection.
Other information:	PPE selected must be impervious to the substance. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating, drinking or smoking. Handle in accordance with safe industrial hygiene practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Description:	Thin liquid	**Colour:**	Silver
Odour:	Solvent	**Odour Threshold:**	Not available
pH:	Not applicable	**Solubility (water, 25°C):**	Not soluble
Melting point:	Not applicable	**Boiling Range:**	-42 - 110°C
Flammability:	Flammable	**Flash Point:**	~ 20°C
LEL/UEL:	1/11 by volume	**Vapour Pressure (1 atm):**	850 kPa at 20°C
Decomposition Temp:	Not available	**Autoignition Temp:**	Approx. 230°C
Specific Gravity:	0.75-0.85	**Evaporation Rate (nButyl Acetate =1):**	0.16 - 10
Partition Coefficient: n-octanol/water	Not available	**Viscosity:**	Not available
Vapour Density:	Not available		

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal cool, dry storage conditions. Protect from heat.
Reactivity:	Not reactive under normal conditions of use.
Conditions to Avoid:	Heat, sparks, open flames and other sources of ignition. Store out of direct sunlight.
Incompatibility:	Keep away from oxidising agents, combustible products such as paper, wood, cardboard.
Hazardous Decomposition:	Decomposes during combustion to form oxides of carbon and aluminium.

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity: LD50 oral 1100 - 1400 mg/kg
LD50 dermal > 5000 mg/kg
LC50 inhalation > 20 mg/L

Inhalation: Inhaling high concentrations of vapour may cause adverse effects to the central nervous system.

Ingestion: Ingestion of large quantities may be fatal.

Skin Contact: Skin irritant.

Eye Contact: Eye irritant.

Sensitiser: Not expected to be a respiratory or contact sensitiser.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant Suspected of damaging fertility or the unborn child.

Specific Target Organ Systemic Toxicity: Product is harmful to human target organs or systems (central nervous system) via inhalation.

Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: LC_{50} >1 - <100 mg/L in the aquatic environment.

LD50 oral 1100 - 1400 mg/kg

Product may be harmful to aquatic life. Product is harmful to terrestrial vertebrates. Avoid losses to the environment wherever possible.

Persistence/degradability: Expected to be readily biodegradable.

Bio-accumulation: Not bio-accumulative

Mobility: Product is not readily soluble in water.

Ecotoxicity data is based on hazardous ingredient information.

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.

Disposal of Packaging: Packaging may contain product residues and should be treated as hazardous. Do not pierce or burn even after use. Dispose of packaging via an approved waste disposal contractor.

Section 14: TRANSPORT INFORMATION

Vorchem Wheel Silver Paint is classified as a Dangerous Good for transport in accordance with NZS5433:2012, IMDG or IATA.

NZS5433:2012
UN No: 1950
Proper Shipping Name: Aerosols - Flammable
Class: 2.1
Packing Group: Not applicable
Hazchem Code: 2Y

IMDG:
UN No: 1950
Proper Shipping Name: Aerosols - Flammable
Class: 2.1
Packing Group: Not applicable
Marine Pollutant: No
EmS: F-D, S-U

IATA:
UN No: 1950
Proper Shipping Name: Aerosols - Flammable
Class: 2.1
Packing Group: Not applicable

Ensure transportation methods prevent leakage from packages and collapsing loads.

Section 15: REGULATORY INFORMATION

Group Standard Allocation: Aerosols (Flammable) Group Standard 2017

HSNO Approval Code: HSR002515

HSNO Classifications:

2.1.2A	Flammable aerosol
6.1D oral	Acutely toxic
6.3A	Skin irritant
6.4A	Eye irritant
6.8B	Suspected reproductive or developmental toxicant
6.9B	Harmful to human target organs or systems
9.1D	Slightly harmful in the aquatic environment
9.3C	Harmful to terrestrial vertebrates

This substance triggers:

Compliance Certificate	3000L aggregate water capacity
Certified Handler	N/A
Quantity that must be secured	3000L aggregate water capacity
Emergency Response Plan	3000L aggregate water capacity

Secondary Containment	N/A
Signage	3000L aggregate water capacity
Fire Extinguishers	1 required for quantities > 3000L aggregate water capacity

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

Section 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as an aerosol paint. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 10/10/2018

Reason for Revision: Update to New Zealand regulatory requirements.

References:

EPA NZ Chemical Classification and Information Database
EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014

END OF SAFETY DATA SHEET