Company Logo

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product:	**Sherwin BO-1 Black Oxide Aerosol**
Product Use:	Use according to manufacturer's directions
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	**Euromarc Industries Limited**
Address:	203 Glover Road Hawera 4610
Telephone:	+800 278600
Emergency No:	**0800 764 766 (National Poison Centre**
Date of SDS Preparation:	30 April 2026

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Aerosols (Flammable) – HSR002515

Pictograms

Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Aerosol Cat. 1	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing [as detailed in SDS Section 8].

Response Code	Response Statement
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
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.

Storage Code	Storage Statement
P405	Store locked up.
P410	Protect from sunlight.
P412	Do not expose to temperatures exceeding 50 °C.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Distillates, Petroleum, middle, hydrotreated	65-75	64742-46-7
LPG (liquified Petroleum Gas)	35-45	68476-85-7
Nonhazardous	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

If on Skin — Wash with plenty of soap and water. In case of cold burns or frost-bite): DO NOT apply hot water or radiant heat. Apply a clean, dry, light dressing of dry gauze bandage. If solids or aerosols are deposited on the skin remove with industrial skin cleansing cream. Do not use solvents. Get medical advice/attention if needed.

If Swallowed — Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. Seek medical attention if needed.

If Inhaled — Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: Causes serious eye irritation. May cause drowsiness or dizziness.

Section 5. Fire Fighting Measures

Hazard Type	Highly flammable aerosol. Closed containers may rupture due to pressure buildup under fire conditions.
Hazards from combustion products	Carbon Monoxide (CO), Carbon Dioxide (CO2) other pyrolysis products typical of burning organic material.

Suitable Extinguishing media	Water spray, dry chemical or CO2. Water spray or fog - Large fires only.
Precautions for firefighters and special protective clothing	Wear breathing apparatus plus protective gloves. May be violently or explosively reactive. Water in contact with hot liquid may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns. Foaming may cause overflow of containers and may result in possible fire.
HAZCHEM CODE	**None Allocated**

Section 6. Accidental Release Measures

For emergency responders:
Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Avoid breathing vapours and contact with skin and eyes. Remove sources of ignition.

Environmental precautions:
Keep product away from drains, surface and underground water.

Methods and material for containment and cleaning up:
Shut off all possible sources of ignition and increase ventilation. Remove leaking cylinders to a safe place. For any concern related to disposal consult section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read carefully and follow all instructions.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on an open flame or other ignition source.
- Do not pierce or burn, even after use.
- Avoid breathing fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing as detailed in SDS Section 8.
- Avoid skin contact.
- Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can.
- Store in original containers in approved flammable liquid storage area.
- DO NOT store in pits, depressions, basements or areas where vapours may be trapped.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Protect from sunlight.
- Do not expose to temperatures exceeding 50 °C.
- Store in a well-ventilated place. Keep container tightly closed.
- Keep containers securely sealed. Contents under pressure.
- Check that containers are clearly labelled.
- CARE: Water in contact with heated material may cause foaming or a steam explosion with possible severe burns from wide scattering of hot material. Resultant overflow of containers may result in fire.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		**TWA ppm**	**TWA mg/m³**	**STEL ppm**	**STEL mg/m³**
LPG (Liquefied petroleum gas)	[68476-85-7]	1000	1800	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15TH EDITION.

Engineering Controls

Ensure adequate ventilation.

Personal Protection Equipment

Eyes	Safety glasses with side shields. Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent].
Hands	No special equipment needed when handling small quantities. OTHERWISE; For potentially moderate exposures: Wear general protective gloves, eg. light weight rubber gloves. For potentially heavy exposures: Wear chemical protective gloves, eg. PVC. and safety footwear.
Skin	No special equipment needed when handling small quantities. OTHERWISE: Overalls. Skin cleansing cream. Eyewash unit. Do not spray on hot surfaces.
Respiratory	Type AX Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Section 9 Physical and Chemical Properties

Appearance	Liquified Gas - Aerosol
Colour	Black
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	60^0C
Melting Point	-97^0C
Freezing Point	-97^0C
Flash Point	-104^0C
Flammability	Highly Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	0.9 (water=1)
Water Solubility	Immiscible
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Moderate explosion hazard when exposed to heat or flame.
Conditions to Avoid	Sources of ignition.

Incompatible Materials	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.
Hazardous Decomposition Products	No data available.

Section 11 Toxicological Information

Acute Effects:

Swallowed	This product is not classified as acutely toxic.
Dermal	This product is not classified as acutely toxic.
Inhalation	May cause drowsiness or dizziness.
Eye	Causes serious eye irritation.
Skin	This product is not classified as a skin irritant/corrosive.

Chronic Effects:

Carcinogenicity	This product is not classified as carcinogenic.
Reproductive Toxicity	This product is not classified as toxic for reproduction.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	May cause drowsiness or dizziness.
STOT/RE	This product is not classified as STOT RE.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Distillates, Petroleum, middle, hydrotreated	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	1.72 mg/L/4h (rat)
LPG	-	-	558 mg/l/4h (rat)

Section 12. Ecotoxicological Information

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Product:	
Persistence and degradability	No data available on product.
Bioaccumulation	No data available on product. LPG: LOW (LogKOW = 3.39)
Mobility in Soil	No data available on product.
Other adverse effects	No data available

Individual component information:

Distillates, Petroleum, middle, hydrotreated:

Route	Duration	Value NOEC (ECx)	Source
Algae or other aquatic plants	72 hr	<0.03 mg/L	1

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. US EPA, Ecotox database - Aquatic Toxicity Data 4. ECETOC Aquatic Hazard Assessment Data 5. NITE (Japan) Bioconcentration Data 6. METI (Japan) - Bioconcentration Data 7. Vendor Data

Section 13. Disposal Considerations

Disposal Method:
Allow small quantities to evaporate. Discharge contents of damaged aerosol cans at an approved site.
Precautions or methods to avoid: DO NOT incinerate or puncture aerosol cans.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

Road, Rail, Sea and Air Transport

UN No	1950
Class - Primary	2.1
Packing Group	
Proper Shipping Name	AEROSOLS, FLAMMABLE
Marine Pollutant	No
Special Provisions	63, 190, 277, 327, 344, 381

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Aerosols (Flammable) – HSR002515

HSW (HS) Regulations 2017 and EPA Notices	**Trigger Quantity**
Certified Handler	Not required
Location Certificate	3000L (AWC)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	3000L (AWC)
Emergency Response Plan	3000L (AWC)
Secondary Containment	3000L (AWC)
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

Cat	Category
EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC_{50}	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD_{50}	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Feb 2025 15th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, if further information is required.

Issue Date: 30 April 2026 Review Date: 30 April 2031