

Black Oxide Spray Can

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Black Oxide Spray Can
SDS Number: Black Oxide SC
Revision Date: 6/14/2022
Product Use: NDT inspection magnetic particle

Supplier Details: Sherwin Inc.
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ChemTel Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and Mexico: 01-800-099-0731

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HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 1
Health, Aspiration hazard, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H222 - Extremely flammable aerosol
H229 - Pressurized container: may burst if heated
H304 - May be fatal if swallowed and enters airways

GHS Precautionary Statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 - Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash ... thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304 + P340 - IF INHALED: Remove person to fresh air and keep 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.
P308 + P311 - IF exposed or concerned: Call a POISON CENTER/doctor/...
P370 + P378 - In case of fire: Use dry chemical, alcohol resistant foam or dry sand to extinguish.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
68476-86-8	10-30%	Propane/ Isobutane
64742-47-8	70-90%	Distillates (petroleum), hydrotreated light

4 FIRST AID MEASURES

- Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- Skin Contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids to facilitate irrigation. Get immediate medical attention.
- Ingestion:** Clean mouth with water. Keep respiratory tract clear.
Do NOT induce vomiting or attempt chemical neutralization. If symptoms persist, call a physician.

5 FIRE FIGHTING MEASURES

- Flash Point:** > 93 °C (> 200 °F), liquid
- Flash Point Method:** ASTM D-56
- Autoignition Temp:** 399-425°C-propanol
- Lower Explosive Limit:** 2%(V) 2-propanol
- UEL:** 13%(V) 2-propanol
- Suitable extinguishing agents:** Alcohol resistant foam, dry chemical, carbon dioxide

Unusual Fire or Explosion Hazards: Contents under pressure. Extremely flammable

Special hazards arising from the substance or mixture: Spray can under pressure. Carbon monoxide and carbon dioxide

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit

Unsuitable extinguishing media: High volume water jet

Further information: Do not allow run-off from fire-fighting to enter drains or water courses. Use a water spray to cool fully closed containers.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Environmental precautions: Do not allow to enter storm sewers/ surface or ground water.

Methods and material for containment and cleaning up: Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; DO NOT use combustible materials.
Dispose contaminated material as waste according to item 13.

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Ensure adequate ventilation..Place in a chemical waste container.

7 HANDLING AND STORAGE

- Handling Precautions:** Keep away from sources of ignition. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area or with appropriate respiratory equipment. Do not swallow. When using do not eat, drink or smoke. (See section 8)
- Storage Requirements:** Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Keep containers upright to prevent leakage. Containers may be hazardous when empty since residue liquid may be present

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Provide adequate ventilation for work and storage areas.
- Personal Protective Equipment:** Chemical resistant gloves;
Chemical safety glasses;
General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits.
Where concentrations are above recommended limits, use an organic vapor respirator with dust, mist, and fume filters;
Impervious clothing.
- Exposure Limits:**

68476-86-8 Propane/butane	USA OSHA TWA/STEL	ACGIH TWA/STEL
	TLV(STEL) 1000 ppm	ACGIH

Contains no other substances with occupational exposure limits. The following manufacturer's internal standard would apply: 100ppm (525 mg/m³) for 8-hour TWA (exposure limit for petroleum distillate - standard solvent)



- General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Do not inhale gases / fumes / aerosols. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.



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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear liquid with black particles	Odor:	Hydrocarbon
Physical State:	liquid with particles that settle	Solubility:	Not soluble in water
Spec Grav./Density:	0.81, liquid	Flash Point:	> 93 °C (> 199 °F) (ASTM D-93), liquid
Viscosity:	Kinematic at 37.8 °C (100 °F): 2.7 cSts (ASTM D455), liquid	Vapor Density:	6.8, liquid
Boiling Point:	240 °C (464 °F), liquid	Auto-Ignition Temp:	No data available
Vapor Pressure:	< 0.1 mmHg @ 20 °C (68 °F), liquid	UFL/LFL:	No data available
pH:	Not determined		
Evaporation Rate:	Not determined		

10 STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction under normal use.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Elevated temperatures
Materials to Avoid:	Strong Acids; Strong Bases Strong Oxidizing Agents.
Hazardous Decomposition:	Carbon oxides, sulphur oxides
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation: LC50: >0.5 mg/l
LC/50 (Rat) (1 hour): >24.1 mg/l
Oral: LC50 Rat: > 5000 mg/kg

Skin corrosion/irritation: Primary irritant.

Serious eye damage/irritation: Primary irritant.

Skin sensitization: No data available

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen for this intended use by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure: No data available

STOT - repeated exposure: No data available

12 ECOLOGICAL INFORMATION



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Ecotoxicity

Not toxic to aquatic organisms up to the substances water solubility.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available

Mobility

No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations

Empty containers may retain product residue (liquid and/or vapor) and can be dangerous.

14 TRANSPORT INFORMATION

DOT, IATA, IMDG

UN1950, aerosols, flammable, 2.1

15 REGULATORY INFORMATION

TSCA All components are on the Inventory list

US federal regulations

CERCLA Hazardous Substance List (40 CFR 302.4) None

SARA 302: No chemicals in this product are subject to reporting requirements of SARA Title III, Section 302

SARA 304 Emergency release notification: Not regulated.

SARA 311/312 Hazard classes

Flammable (gases, aerosols, liquids, or solids)

Aspiration hazard

SARA 302 Extremely hazardous substance

Not listed.

SARA 313 (TRI reporting) This product does not contain a chemical listed at or above de minimis concentration

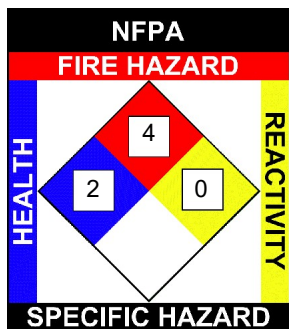


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OTHER INFORMATION

NFPA: Health = 2, Fire = 4, Reactivity = 0, Specific Hazard = n/a



This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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