



SAFETY DATA SHEET

Graphene Infused Ceramic Spray

6440-58-0	Preservative	< 0.4 %	
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4. First Aid Measures

Emergency and First Aid Procedures:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
In Case of Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Signs and Symptoms Of Exposure:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate	No data available. medical attention and special treatment needed:

5. Fire Fighting Measures

Flash Pt:	No data. Method Used: Estimate
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Fire Fighting Instructions:	Wear self-contained breathing apparatus for firefighting if necessary. Further information: No data available.
Flammable Properties and Hazards:	silicon oxides, Carbon oxides.
Hazardous Combustion Products:	No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
Environmental Precautions:	Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.
Steps To Be Taken In Case Material Is Released Or	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Spilled:

7. Handling and Storage



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Precautions To Be Taken in Handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place.
Other Precautions:	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7631-86-9	Silicone Dioxide SiO ₂	No data.	No data.	No data.
63148-62-9	Polydimethylsiloxane	No data.	No data.	No data.
6440-58-0	Preservative	No data.	No data.	No data.

Personal Protective Equipment Symbols:

Respiratory Equipment

Respiratory: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection:

Safety glasses with side-shields conforming to EN166.

Protective Gloves:

Handle with gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Other Protective Clothing: Impervious clothing.

Engineering Controls Handle in accordance with good industrial hygiene and safety practice. Wash hands (**Ventilation etc.**): before breaks and at the end of workday.

Environmental Exposure Controls: Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Bluish. Black Ice-Men's Cologne like.

pH: 6.5-7

Melting Point: > -55.00 C (-67.0 F) **Boiling Point:** 100.00 C (212.0 F) - 140.00 C (284.0 F)

Flash Pt: No data. Method Used: Estimate **Evaporation Rate:** No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): 1.092

Density: 8.323 **Solubility in Water:** 100%



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Octanol/Water Partition Coefficient: No data.
Autoignition Pt: No data.
Decomposition Temperature: No data.
Viscosity: No data.

10. Stability and Reactivity

Reactivity: No data available.
Stability: Unstable [] Stable [X]
Conditions To Avoid – Instability: No data available.
Incompatibility - Materials To Avoid: Water. Acids. Oxidizing agents, Strong oxidizing agents. acids, Bases.
Hazardous Decomposition or Byproducts: No data available. In the event of fire: see section 5.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid – Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: No data available. Inhalation: Dermal. Germ cell mutagenicity: Aspiration hazard: Acute toxicity: no data available.
Irritation or Corrosion: Skin corrosion/irritation. No data available. Serious eye damage/eye irritation: no data available. Result: Tumorigenic: Tumors at site or application. Mild skin irritation -24 Eyes: Rabbit.
Sensitization: No data available.
Chronic Toxicological Effects: Specific target organ toxicity - single exposure: No data available. Specific target organ toxicity -repeated exposure: no data available. Specific target organ toxicity -single exposure (Globally Harmonized System)
Carcinogenicity/Other Information: IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans. NTP: 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. OSHA: 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.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7631-86-9	Silicone Dioxide SiO ₂	Known	3	n.a.	n.a.
63148-62-9	Polydimethylsiloxane	n.a.	n.a.	n.a.	n.a.
6440-58-0	Preservative	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: No data available.
Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.



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Other adverse effects: No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container to ... The generations of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incinerators or landfill should be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drain and sewers. See Section 8 for information on appropriate personal protective equipment.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: NOT REGULATED PER 49 CFR 173.150.

DOT Hazard Class:

UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7631-86-9	Silicone Dioxide SiO2	No	No	No
63148-62-9	Polydimethylsiloxane	No	No	No
6440-58-0	Preservative	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive pyrophoric <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Poisonous (liquid or solid) pyrophoric <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas self-heating <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas) n <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Contact with water emits flammable gas <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ()	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Skin Corrosion or Irritation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Carcinogenicity <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Specific target organ toxicity (single or repeated exposure) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)
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CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7631-86-9	Silicone Dioxide SiO2	CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIIa/b, Title 8



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63148-62-9	Polydimethylsiloxane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A, 8A PAIR; CA PROP.65: No; CA TAC, Title 8: No
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Regulatory Information: (NZ) Statement:..... This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017
 (NZ) HSNO Classifications:..... 6.1E, 6.3A
 (NZ) HSNO Group Standard:..... Cleaning Products Subsidiary HSR002530.

16. Other Information

Revision Date: 05/01/2019

Hazard Rating System:

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
HMIS: PPE	B

Additional Information About This Product No data available.

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