

### Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous

Products Regulation (February 11, 2015).

Revision Date: 08/08/2016 Date of Issue: 08/08/2016 Version: 1

# **SECTION 1: IDENTIFICATION**

## 1.1. Product Identifier

Product Form: Mixture

**Product Name:** Graphite Products with Metallic Additives

### 1.2. Intended Use of the Product

**Electrical Component** 

### 1.3. Name, Address, and Telephone of the Responsible Party

### Company

St. Mary's Carbon 259 Eberl St. St. Mary's PA, 15857 814-781-7333

www.stmaryscarbon.com

## 1.4. Emergency Telephone Number

Emergency Number: 814-781-7333 (Hours of Operation: 7:30 a.m.- 4:00 p.m. M-F)

# **SECTION 2: HAZARDS IDENTIFICATION**

### 2.1. Classification of the Substance or Mixture

**GHS-US/CA Classification** 

Not classified

### 2.2. Label Elements

### **GHS-US/CA Labeling**

No labeling applicable

## 2.3. Other Hazards

This product is physiologically inert in its massive form. However, user-generated dust and/or fumes may pose a physiological hazard if inhaled or ingested. Avoid inhalation of metal dusts and fumes. May cause an influenza-like illness. Avoid skin and eye contact with dusts to prevent mechanical irritation. User-generated dust is easily ignited and difficult to extinguish.

### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product Identifier	% *	<b>GHS Ingredient Classification</b>
Silver	(CAS No) 7440-22-4	30 - 95	Comb. Dust
			Aquatic Acute 1, H400
			Aquatic Chronic 1, H410
Graphite	(CAS No) 7782-42-5	5 - 70	Comb. Dust
Quartz	(CAS No) 14808-60-7	< 1.5	Carc. 1A, H350
			STOT SE 3, H335
			STOT RE 1, H372

Full text of H-phrases: see section 16

## **SECTION 4: FIRST AID MEASURES**

# 4.1. Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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<sup>\*</sup>Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

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**Inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of use. When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists. Cool skin rapidly with cold water after contact with molten product.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention. Removal of solidified molten material from the eyes requires medical assistance.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention. Call a physician or poison control center immediately.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: May cause cancer. Causes damage to organs through prolonged or repeated exposure.

**Inhalation:** Prolonged exposure may cause irritation. Inhalation of dusts and fumes can cause metal fume fever. Symptoms can include a metallic or sweet taste in the mouth, sweating, shivering, headache, throat irritation, fever, chills, thirstiness, muscle aches, nausea, vomiting, weakness, fatigue, and shortness of breath.

Skin Contact: Prolonged exposure may cause skin irritation. Contact with hot, molten metal will cause thermal burns.

**Eye Contact:** During metal processing, dusts caused from milling and physical alteration will likely cause eye irritation. Fumes from thermal decomposition or molten material will likely be irritating to the eyes. May cause slight irritation to eyes. Contact with hot liquid may cause thermal burns.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** For particulates and dust: May cause cancer. Causes damage to organs through prolonged or repeated exposure. Silver: Chronic skin contact or ingestion of silver dust, salts or fume can result in a condition known as Argyria, a condition with bluish pigmentation of the skin and eyes. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a seriously disabling and fatal lung disease.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

### **SECTION 5: FIRE-FIGHTING MEASURES**

# 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use class D extinguishing media on fines, dust, or molten metal. Use water spray on chips and fines. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire. Do not use water when molten material is involved, contact of hot product with water will result in a violent expansion as the water turns to steam causing explosion with massive force.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures. Dust, chips, or ribbons can be ignited more easily, by an ignition source, by improper machining, or by spontaneous combustion if finely divided and damp.

**Explosion Hazard:** Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive. Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Metal oxides. Carbon oxides (CO, CO<sub>2</sub>).

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

### **Reference to Other Sections**

Refer to Section 9 for flammability properties.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

# 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood. Avoid generating dust. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

### 6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

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**Emergency Procedures:** Evacuate area.

### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### 6.2. Environmental Precautions

Avoid release to the environment. Contact competent authorities after a spill. Collect spillage.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills. If metal is in molten form allow to cool and collect as a solid. If metal is in solid form collect for re-melting purposes.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

### **SECTION 7: HANDLING AND STORAGE**

# 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Dust particles generated from processing may cause an allergic reaction in sensitive individuals. Dust generated from processing may present a dust explosion hazard. Repeated or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss.

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Avoid contact with eyes, skin and clothing.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

# 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

## 7.3. Specific End Use(s)

**Electrical Component** 

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Silver (7440-22-4)		
USA ACGIH	ACGIH TWA (mg/m³)	0.1 mg/m³ (dust and fume)
USA OSHA	OSHA PEL (TWA) (mg/m³)	0.01 mg/m³
USA NIOSH	NIOSH REL (TWA) (mg/m³)	0.01 mg/m³ (dust)
USA IDLH	US IDLH (mg/m³)	10 mg/m³ (dust)
Alberta	OEL TWA (mg/m³)	0.1 mg/m <sup>3</sup>
British Colombia	OEL STEL (mg/m³)	0.03 mg/m <sup>3</sup>
British Colombia	OEL TWA (mg/m³)	0.01 mg/m <sup>3</sup>
Manitoba	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
New Brunswick	OEL TWA (mg/m³)	0.1 mg/m <sup>3</sup>
Newfoundland & Labrador	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
Nova Scotia	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
Nunavut	OEL STEL (mg/m³)	0.3 mg/m <sup>3</sup>

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Nunavut	OEL TWA (mg/m³)	0.1 mg/m <sup>3</sup>
Northwest Territories	OEL STEL (mg/m³)	0.3 mg/m³ (metal)
Northwest Territories	OEL TWA (mg/m³)	0.1 mg/m³ (metal)
Ontario	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
Prince Edward Island	OEL TWA (mg/m³)	0.1 mg/m³ (dust and fume)
Québec	VEMP (mg/m³)	0.1 mg/m³
Saskatchewan	OEL STEL (mg/m³)	0.3 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m³)	0.1 mg/m³
Yukon	OEL STEL (mg/m³)	0.03 mg/m³
Yukon	OEL TWA (mg/m³)	0.01 mg/m <sup>3</sup>
Graphite (7782-42-5)		
USA ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (all forms except graphite fibers-respirable
	, 5. ,	fraction)
USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (synthetic-total dust)
		5 mg/m³ (synthetic-respirable fraction)
USA NIOSH	NIOSH REL (TWA) (mg/m³)	2.5 mg/m³ (natural-respirable dust)
USA IDLH	US IDLH (mg/m³)	1250 mg/m <sup>3</sup>
Alberta	OEL TWA (mg/m³)	2 mg/m³ (all forms except Graphite fibres-respirable)
British Colombia	OEL TWA (mg/m³)	2 mg/m³ (all forms except Graphite fibres-respirable)
Manitoba	OEL TWA (mg/m³)	2 mg/m³ (all forms except Graphite fibers-respirable
		fraction)
New Brunswick	OEL TWA (mg/m³)	2 mg/m³ (all forms except graphite fibres)
Newfoundland & Labrador	OEL TWA (mg/m³)	2 mg/m³ (all forms except Graphite fibers-respirable
		fraction)
Nova Scotia	OEL TWA (mg/m³)	2 mg/m³ (all forms except Graphite fibers-respirable
		fraction)
Nunavut	OEL TWA (mg/m³)	5 mg/m³ (synthetic-respirable mass)
		10 mg/m³ (synthetic, total mass)
Northwest Territories	OEL STEL (mg/m³)	4 mg/m³ (natural-respirable fraction)
Northwest Territories	OEL TWA (mg/m³)	2 mg/m³ (natural-respirable fraction)
Ontario	OEL TWA (mg/m³)	2 mg/m³ (except Graphite fibres-respirable)
Prince Edward Island	OEL TWA (mg/m³)	2 mg/m³ (all forms except Graphite fibers-respirable
		fraction)
Québec	VEMP (mg/m³)	2 mg/m³ (containing no Asbestos and <1% Crystalline silica,
	_	except Graphite fibres-respirable dust)
Saskatchewan	OEL STEL (mg/m³)	4 mg/m³ (natural, except Graphite fibres-respirable
		fraction)
Saskatchewan	OEL TWA (mg/m³)	2 mg/m³ (natural, except Graphite fibres-respirable
	27. 7.1.1 ( 2)	fraction)
Yukon	OEL TWA (mg/m³)	20 mppcf
		30 mppcf (synthetic)
		10 mg/m³ (synthetic)
Quartz (14808-60-7)	1 2000	0.005 / 3/
USA ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (STEL) (mg/m³)	250 mppcf/%SiO <sub>2</sub> +5, 10mg/m³/%SiO <sub>2</sub> +2
USA NIOSH	NIOSH REL (TWA) (mg/m³)	0.05 mg/m³ (respirable dust)
USA IDLH	US IDLH (mg/m³)	50 mg/m³ (respirable dust)
Alberta	OEL TWA (mg/m³)	0.025 mg/m³ (respirable particulate)
British Colombia	OEL TWA (mg/m³)	0.025 mg/m³ (respirable)
Manitoba	OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
New Brunswick	OEL TWA (mg/m³)	0.1 mg/m <sup>3</sup> (respirable fraction)

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Newfoundland & Labrador	OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
Nova Scotia	OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
Nunavut	OEL TWA (mg/m³)	0.1 mg/m³ (respirable mass)
		0.3 mg/m³ (total mass)
Northwest Territories	OEL TWA (mg/m³)	0.05 mg/m³ (respirable fraction)
Ontario	OEL TWA (mg/m³)	0.10 mg/m³ (designated substances regulation-respirable)
Prince Edward Island	OEL TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
Québec	VEMP (mg/m³)	0.1 mg/m³ (respirable dust)
Saskatchewan	OEL TWA (mg/m³)	0.05 mg/m³ (respirable fraction)
Yukon	OEL TWA (mg/m³)	300 particle/mL

# 8.2. Exposure Controls

**Appropriate Engineering Controls:** The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Materials for Protective Clothing:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



9.1.







Materials for Protective Clothing: Chemically resistant materials and fabrics.

Information on Basic Physical and Chemical Properties

**Hand Protection:** Wear protective gloves. **Eye Protection:** Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Illioi mation on basic Physical and Chemical Properties		
Physical State	:	Solid
Appearance	:	Silver
Odor	:	None
Odor Threshold	:	Not available
рН	:	Not available
Evaporation Rate	:	Not available
Melting Point	:	Not available
Freezing Point	:	Not available
<b>Boiling Point</b>	:	Not available
Flash Point	:	Not available
Auto-ignition Temperature	:	Not available
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Lower Flammable Limit	:	Not available
Upper Flammable Limit	:	Not available
Vapor Pressure	:	Not available
Relative Vapor Density at 20°C	:	Not available
Relative Density	:	3 - 7 (Water = 1)
Specific Gravity	:	Not available
Solubility	:	Not available

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Partition Coefficient: N-Octanol/Water : Not available Viscosity : Not available

# **SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity:** Dust and other forms of product formed from processing might react with water producing a flammable/explosive environment, especially in confined spaces. Molten material will react violently with water.

**10.2.** Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. Use care during processing to minimize generation of dust.

**10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers. When molten: water.

**10.6.** Hazardous Decomposition Products: No hazardous decomposition products if stored and handled as

prescribed/indicated.

# **SECTION 11: TOXICOLOGICAL INFORMATION**

## 11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified
Acute Toxicity (Dermal): Not classified
Acute Toxicity (Inhalation): Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation. Inhalation of dusts and fumes can cause metal fume fever. Symptoms can include a metallic or sweet taste in the mouth, sweating, shivering, headache, throat irritation, fever, chills, thirstiness, muscle aches, nausea, vomiting, weakness, fatigue, and shortness of breath.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation. Contact with hot, molten metal will cause thermal burns.

**Symptoms/Injuries After Eye Contact:** During metal processing, dusts caused from milling and physical alteration will likely cause eye irritation. Fumes from thermal decomposition or molten material will likely be irritating to the eyes. May cause slight irritation to eyes. Contact with hot liquid may cause thermal burns.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** For particulates and dust: May cause cancer. Causes damage to organs through prolonged or repeated exposure. Silver: Chronic skin contact or ingestion of silver dust, salts or fume can result in a condition known as Argyria, a condition with bluish pigmentation of the skin and eyes. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a seriously disabling and fatal lung disease.

### 11.2. Information on Toxicological Effects - Ingredient(s)

# LD50 and LC50 Data:

Silver (7440-22-4)	
LD50 Oral Rat	> 2000 mg/kg
Quartz (14808-60-7)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 5000 mg/kg
Quartz (14808-60-7)	
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.

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OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

# **SECTION 12: ECOLOGICAL INFORMATION**

### 12.1. Toxicity

**Ecology - General:** Very toxic to aquatic life with long lasting effects. This product in its massive form does not pose an aquatic toxicity hazard. If product is melted or altered and powder, dust, fines, shavings, or small particles are generated this product is considered very toxic to aquatic life, and very toxic to aquatic life with long lasting effects.

Silver (7440-22-4)	
LC50 Fish 1	0.00155 (0.00155 - 0.00293) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	0.00024 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	0.0062 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

# 12.2. Persistence and Degradability

Graphite Products with Metallic Additives		
Persistence and Degradability  May cause long-term adverse effects in the environment.		

### 12.3. Bioaccumulative Potential

Graphite Products with Metallic Additives	
Bioaccumulative Potential Not established.	

**12.4. Mobility in Soil** Not available

### 12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, provincial, territorial, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

# **SECTION 14: TRANSPORT INFORMATION**

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport
 14.2. In Accordance with IMDG Not regulated for transport
 14.3. In Accordance with IATA Not regulated for transport
 14.4. In Accordance with TDG Not regulated for transport

# **SECTION 15: REGULATORY INFORMATION**

### 15.1. US Federal Regulations

Silver (7440-22-4)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ 1000 lb < 100 um CERCLA/SARA RQ CHANGE TITLE		
SARA Section 313 - Emission Reporting 1.0 %		
Graphite (7782-42-5)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Quartz (14808-60-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		

### 15.2. US State Regulations

Quartz (14808-60-7)	
U.S California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of
	California to cause cancer.

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### Silver (7440-22-4)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List

### Graphite (7782-42-5)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

### Quartz (14808-60-7)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

### 15.3. Canadian Regulations

### Silver (7440-22-4)

Listed on the Canadian DSL (Domestic Substances List)

### Graphite (7782-42-5)

Listed on the Canadian DSL (Domestic Substances List)

### Quartz (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

# SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 08/08/2016

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA

Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products

Regulations (HPR).

### **GHS Full Text Phrases:**

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Comb. Dust	Combustible Dust
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
Comb. Dust	May form combustible dust concentrations in air
H335	May cause respiratory irritation
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

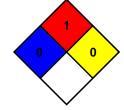
NFPA Health Hazard : 0 - Exposure under fire conditions would offer no hazard

beyond that of ordinary combustible materials.

NFPA Fire Hazard : 1 - Must be preheated before ignition can occur.

NFPA Reactivity Hazard : 0 - Normally stable, even under fire exposure conditions,

and are not reactive with water.



**HMIS III Rating** 

**Health** : 0 Minimal Hazard - No significant risk to health

Flammability : 1 Slight Hazard
Physical : 0 Minimal Hazard

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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