


	<p align="center"><b>BS5910 STAINLESS STEEL COMPOUND</b></p>	<p align="center"><i><b>SAFETY DATA SHEET</b></i></p> <p align="right"><i>Page 1 of 3</i></p> <p align="right"><small>PRINTED: 4/22/2021 REVISED: 04/22/2021</small></p>
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## Section 1 CHEMICAL PRODUCT and COMPANY IDENTIFICATION

**Identification: Product Name:** **BS5910**  
**Recommended use:** Polishing  
**Manufacturer:** Osborn  
3440 Symmes Road  
Hamilton, OH 45015  
Telephone: 513-860-3400

**Emergency telephone:** 513-860-3400

Section 2 HAZARDS IDENTIFICATION	
<b>Hazard Classification:</b> Irritant  <b>WARNING:</b> prolonged exposure may cause cancer. Dust may temporarily irritate eyes, skin, and respiratory system.	<b>Hazard Symbols:</b> 

### Hazard Classifications:

<b>NFPA HAZARD RATING:</b>	Fire: (1, minimal)	Health: (2, slight)	Reactivity: (1, minimal)
<b>GHS HAZARDS:</b>	Fire: (5, minimal)	Health: (4, slight)	Reactivity: (5, minimal)

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

### Hazard phrases:

**H316, H320, H335:** Dust produced in use may cause mild irritation of skin, eyes, and respiratory tract  
**H351:** Prolonged or repeated inhalation is suspected of causing lung cancer  
**H373:** May cause damage to organs through prolonged or repeated exposure

**Precautionary Phrases:** **P261:** Avoid breathing dust, may cause respiratory tract irritation  
**P264:** Wash thoroughly after handling. Avoid skin irritation by wearing protective gloves. If needed wear eye protection and dust mask.

**Emergency Overview:** Dust generated in use may cause temporary irritation to skin, eyes, nose, and respiratory tract. Exposure should be minimized.

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS			
CHEMICAL NAME	CAS Number	EC Number	% Range
Aluminum oxide, non-fibrous	1344-28-1	215-691-6	50-60
Crystalline silica	14808-60-7	238-878-4	20-30
Tallow derivatives	Proprietary	Proprietary	20-30
Petroleum products	Proprietary	Proprietary	1-10
Carbon black	1333-86-4	215-609-9	0-5

Section 4 FIRST AID MEASURES	
<b>General:</b>	Remove contaminated clothing.
<b>Inhalation:</b>	If excessive dust is inhaled, remove to fresh air. Seek medical attention if breathing difficulties persist.
<b>Eye Contact:</b>	Check for and remove any contact lenses. Flush eyes with large amounts of water, cold water may be used. Seek medical attention if vision difficulties occur.
<b>Skin Contact:</b>	Wash contaminated skin with soapy water. Remove contaminated clothing and shoes. Wash clothing and shoes before reuse.

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**Ingestion:** Immediately rinse mouth and drink plenty of water. DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Ingestion of small quantities is not expected to produce symptoms. If large quantities are swallowed, obtain medical help.

### Section 5 FIRE FIGHTING MEASURES

**Explosion hazard:** None.

**Suitable extinguishing media:** Dry chemical, alcohol foam, carbon dioxide, gentle water flow.

**Fire hazard:** Contains combustible wax or grease which may liquefy and flow when heated. Firefighters should use self-contained breathing apparatus.

### Section 6 ACCIDENTAL RELEASE MEASURES

**Emergency Action:** If material cannot be recovered, transfer to waste container and dispose in local landfill, in compliance with local, state and federal regulations.

### Section 7 HANDLING AND STORAGE

**Handling:** Wear protective gloves if skin irritation is experienced. Wash hands before eating. Avoid breathing dust produced in use.

**Storage:** Store at room temperature away from excessive heat.

### Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

	CAS Number	EC Number	OSHA PEL	ACGIH TLV
Aluminum oxide, non-fibrous	1344-28-1	215-691-6	15 mg/m 3 TWA	10 mg/m 3 TWA
Crystalline silica	14808-60-7	238-878-4	10 mg/m 3 TWA	0.025 mg/m 3 TWA
Petroleum products	Proprietary	Proprietary	5 mg/m 3 TWA	5 mg/m 3 TWA
Carbon black	1333-86-4	215-609-9	3.5 mg/m 3 TWA	3.5 mg/m 3 TWA

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep dust levels below occupational exposure limits. See section 2 for component exposure guidelines. Local exhaust ventilation is acceptable.

**Respirator:** Use a NIOSH-certified dust mask or equivalent.

**Hand Protection:** Wear gloves.

**Eye Protection:** Protective eye-wear should be used in dusty environment.

**Other Recommendations:** Wear protective clothing such as long sleeves. Wash hands after handling.

### Section 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Density</b>	Approximately 2.0 g/cm <sup>3</sup>	<b>pH</b>	NA
<b>Physical State</b>	Solid bar	<b>Boiling Point</b>	NA
<b>Appearance</b>	Black	<b>Freeze Point</b>	NA
<b>Odor</b>	Mild or none	<b>Vapor Density (Air=1)</b>	NA
<b>Solubility in water</b>	Insoluble		

### STABILITY AND REACTIVITY

**General:** Stable.

**Incompatible Materials and Conditions to Avoid:** Strong oxidizing agents.

**Hazardous Polymerization:** Will not occur.

### Section 11 TOXICOLOGY INFORMATION

**Acute Toxicity:** None

**Chronic Toxicity:** This product contains crystalline silica (quartz and tripoli). Excessive inhalation of respirable dust may result in respiratory disease, including silicosis, pneumoconiosis, and pulmonary fibrosis. The International Agency for Research on Cancer (IARC) has determined that inhaled crystalline silica (quartz, tripoli) is carcinogenic to humans, IARC Monographs 68 – Silica, Some Silicates, and Organic Fibres, June 1997. The National Toxicology Program

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(NTP) classifies crystalline silica as "known to be a human carcinogen", (9th Report on Carcinogens (2000)). Inhalation of crystalline silica is unlikely to occur from exposure to this product.

<b>Section 12</b>	<b>ECOLOGICAL INFORMATION</b>
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All ingredients are inert in the environment, or biodegrade to non-hazardous compounds.

<b>Section 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**RCRA 40 CFR 261 Classifications:** Not classified as hazardous. Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

<b>Section 14</b>	<b>TRANSPORTATION INFORMATION</b>
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**NON-HAZARDOUS MATERIAL** Not regulated for transportation under **US DOT, IATA, ICAO, IMDG**, Canadian TDG Regulations, or **EU ADR**.

<b>Section 15</b>	<b>REGULATORY INFORMATION</b>
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**US Federal Regulations:** SDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.

- CERCLA/Superfund, 40 CFR 117, 302: None of the chemicals are CERCLA hazards
- SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311, 312 and 313:
- Section 302 – None of the chemicals are extremely hazardous substances (40 CFR 355).
- Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370): By our hazard evaluation, this product may be an eye and skin irritant.
- Section 313 – List of Toxic Chemicals (40CFR 372): This product contains no chemicals ( at level of 1% or greater) that are found on the 313 list of Toxic Chemicals.
- Toxic Substance Control Act (TSCA): All substances are TSCA listed.
- Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D:  
Refer to Section 13.

**STATE REGULATIONS:**

- **California Proposition 65:** This product contains Silica (crystalline, respirable) which is known by the state of California to cause cancer. See <https://www.p65warnings.ca.gov/> for more information.
- No substances in this mixture are specifically listed by other states. Other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.
- Canada WHMIS: Not Controlled. All components of this product are included in the Canadian DSL (Domestic Substances List)

<b>Sections 16</b>	<b>OTHER INFORMATION</b>
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**LABEL INFORMATION:** For Shipping Label information refer to section 14.

**REVISION DATES**

4/22/2021

**SECTIONS**

Company Info

**REVISED BY**

EB

**ABBREVIATIONS USED IN THIS DOCUMENT:** NE – Not Established, NA – Not Applicable, NIF – No Information Found

**ABRIDGED LIST OF REFERENCES:**

Code of Federal Regulations (CFR)  
 Chemical Guide and OSHA Hazardous Communication Standard  
 US Department of Labor; Occupational Safety & Health Administration ([www.osha.gov](http://www.osha.gov))  
 The Environmental Protection Agency ([www.epa.gov](http://www.epa.gov))  
 The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)  
 Government of Canada: <http://canadagazette.gc.ca/news-e.html>

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