

# SAFETY DATA SHEET

Product name:	Sponge-Jet® Silver Sponge Media™	Page:	1/8
Supersedes date:	2012-11-13	Revision:	2013-03-13
P/N-no.:	SDS 0010	SDS-ID:	US-EN/1.1

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product name: Sponge-Jet® Silver Sponge Media™  
Aluminum Oxide Sponge Blasting Media

Container size: Various

### Relevant identified uses of the substance or mixture and uses advised against

Application: Abrasive

### Details of the supplier of the safety data sheet

Manufacturer Sponge-Jet, Inc.  
14 Patterson Lane  
Newington, NH 03801  
Tel:1-603-610-7950

Responsible for material safety data sheet authoring: sjadmin@spongejet.com

### Emergency telephone number

Emergency telephone: +1 (603) 610-7950 US Time EST. 9am – 5pm

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the substance or mixture

NFPA Rating: Health:1 Fire:1 Reactivity:0 Other:-  
HMIS Rating: Health:\*1 Fire:1 Reactivity:0 Personal protection:B

B = Safety Glasses and Gloves.

Physical and Chemical Hazards: The hazardous properties of the product are considered to be limited.

### Hazards:

Human health: May irritate eyes and respiratory system. Prolonged or repeated contact may cause skin irritation.

Environment: The product is not expected to be hazardous to the environment.

### Label elements

None.

### Other hazards

Other: None known.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures

GHS:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
65-80	1344-28-1	418-390-1	01-2119529248 -35-XXXX	Aluminium oxide	-	
15-30	-	-	-	Polyurethane Elastomer	-	
1-5	13463-67-7	236-675-5	-	Titanium dioxide	-	
1-5	1309-37-1	215-168-2	01-2119457614 -35-XXXX	Iron oxide	-	
0.1-1	7631-86-9	231-545-4	-	Silicon dioxide, amorphous	-	

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

Inhalation: Move into fresh air. Seek medical attention as needed.  
Skin contact: Wash with water. Seek medical attention as needed.  
Eye contact: Immediately flush with plenty of water for up to 10 minutes. Seek medical attention as needed.  
Ingestion: Get medical attention.

### Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

### Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: None known.

## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

### Special hazards arising from the substance or mixture

Specific hazards: In case of fire very toxic fumes of hydrogen cyanide (prussic acid) and (NO<sub>x</sub>) may be formed.

### Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid inhalation of dust. Follow precautions for safe handling described in this safety data sheet.

### Environmental precautions

Environmental precautions: No special precautions.

### Methods and material for containment and cleaning up

Spill Cleanup Methods: Collect spillage with vacuum cleaner, shovel, broom or the like.

### Reference to other sections

References: For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Safe handling advice: Avoid inhalation of dust and contact with skin and eyes.

Technical measures: Use work methods which minimize dust production.

Technical precautions: Mechanical ventilation or local exhaust ventilation may be required.

### Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in a dry place.

### Specific end use(s)

Specific use(s): Not relevant.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
1309-37-1	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> ), respirable fraction	-	5 mg/m <sup>3</sup>	TWA	A4	ACGIH
1344-28-1	α-Alumina, total dust	-	15 mg/m <sup>3</sup>	TWA	-	OSHA
1344-28-1	α-Alumina, respirable fraction	-	5 mg/m <sup>3</sup>	TWA	-	OSHA
13463-67-7	Titanium dioxide, total dust	-	15 mg/m <sup>3</sup>	TWA	-	OSHA
13463-67-7	Titanium dioxide	-	10 mg/m <sup>3</sup>	TWA	A4	ACGIH

Notes:

A4: Not Classifiable as a Human Carcinogen.

### Exposure controls

#### Engineering measures:

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust. Provide easy access to water supply and eye wash facilities.

#### Personal protection:

Personal protection equipment should be chosen according to the relevant standards and in discussion with the supplier of the personal protective equipment.

#### Respiratory equipment:

OSHA or NIOSH approved supplied breathing air or approved respirator.

#### Hand protection:

Wear protective gloves suitable to protect for mechanical abrasions.

#### Eye protection:

Wear safety goggles for protection of abrasive materials.

#### Skin protection:

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures:

Wash hands after handling.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance: Solid.

Color: Silver with gray

Odor: Slightly pungent odor.

Odor Threshold (ppm) Not applicable.

pH: None.

Melting point: None.

Boiling point: None.

Flash point: >200°C

Evaporation rate: Not applicable.

Vapor pressure: None.

Vapor density: None.

Solubility: Insoluble in water.

Partition coefficient (n-octanol/water): Not applicable.

Explosive properties: No static sensitivity to Sponge Media when dust concentration levels remain below 200 g/m<sup>3</sup>.

### Other information

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Reactivity: None known.

### Chemical stability

Stability: Stable under normal temperature conditions.

### Possibility of hazardous reactions

Hazardous Reactions: None known.

### Conditions to avoid

Conditions/materials to avoid: None known.

### Incompatible materials

Incompatible materials: Sodium hypochlorite

### Hazardous decomposition products

Hazardous decomposition products: Carbon dioxide, Carbon monoxide, Hydrogen cyanide, Isocyanates.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Inhalation: Dust may irritate throat and respiratory system and cause coughing.

Skin contact: Prolonged or repeated contact may cause irritation.

Eye contact: May cause temporary eye irritation.

Ingestion: Ingestion of large quantities may cause gastrointestinal irritation.

Specific effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Physical data comments: Sensitization: Not applicable to finished product.

Carcinogenicity:  
IARC Cancer Review: Group 2B for Titanium dioxide.  
IARC Cancer Review: Group 3 for Iron(III)Oxide

Mutagenicity: Not known.

Reproduction Toxicity: Not known.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

Ecotoxicity: There are no data on the ecotoxicity of this product.

### Persistence and degradability

Degradability: The product consists mainly of inorganic compounds, which are not biodegradable.

### Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

### Mobility in soil

Mobility: Not known.

### Results of PBT and vPvB assessment

PBT/vPvB: Not known.

### Other adverse effects

Other adverse effects: None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Residues of unused product is not regarded as hazardous waste.

Waste from residues: The product composition after use defines, if the product is hazardous waste.

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## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

### **UN number**

UN-No: -

### **UN proper shipping name**

Proper Shipping Name: -

### **Transport hazard class(es)**

Class: -

### **Packing group**

PG: -

### **Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

### **Special precautions for user**

Special precautions: -

### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Transport in bulk: -

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## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

TSCA: The ingredients of this product are on the TSCA Inventory.

SARA Section 302: None.

SARA (311/312) Hazard categories:

Acute Health: No.

Chronic Health: Yes.

SARA Section 313: None.

National regulation: State and local regulation may apply.

Threshold Limit Values (2012), ACGIH, by the American Conference on Governmental Industrial Hygienists.

The Code of Federal Regulation, Title 29, part 1910. Occupational Safety and Health Standards, Air contaminants (OSHA), with amendments.

International Agency for Research on Cancer (IARC): IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. Lyon: IARC, World Health Organization.

The Code of Federal Regulation. Title 40, part 355.50. Emergency Planning and Notification.

The Code of Federal Regulation. Title 40, part 372.65. Toxic Chemical Release Reporting: Community Right to Know.

### Chemical Safety Assessment

CSA status: Not relevant.

## SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

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