

## SPI Supplies Division

Structure Probe, Inc.

P.O. Box 656 West Chester, PA 19381-0656 USA

Phone: 1-(610)-436-5400 Fax: 1-(610)-436-5755

[spi3spi@2spi.com](mailto:spi3spi@2spi.com)

<http://www.2spi.com>

Manufacturer's CAGE: 1P573

## Material Safety Data Sheet

Date Effective: March 26, 2012

SPI # 02052-AB [SPI-Dry™ Rechargeable and Indicating Desiccating Canister](#)

### Section 1: Identification

Chemical Name/Synonyms..... SPI-Dry™ Desiccating Canister

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-527-3887

Worldwide FAX: 1-(703)-741-6090

Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name.....SPI-Dry™ Desiccating Canister

Hazardous Material Information System USA

Health.....2

Fire Hazard.....0

Reactivity.....0

Personal Protection.....0

NFPA Rating (estimated)

Health.....2

Flammability.....0

Reactivity.....0

GHS Classification

Skin Irritation – Category 2

Eye Irritation – Category 2A

Acute (Specific Target Organ) toxicity – single exposure – Category 3

Inhalation – May cause respiratory irritation

Specific target organ toxicity – repeated exposure

No data available



Signal Word: Warning!

Hazard Statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P305+P351+P338: IF IN EYES – Rinse cautiously with water for several minutes – Remove contact lenses if present and easy to do. Continue rinsing.

Risk Phrases:

R36: Irritating to eyes

R37: Irritating to respiratory system

R38: Irritating to skin

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36: Wear suitable protective clothing

WGK Germany : 3

---

## Section 2: Composition

Component Name	CAS #	Percent	EINECS/ELINCS
Silica, amorphous	7631-86-9	>97	231-545-4
Cobalt chloride	7646-79-9	<3	231-589-4

---

## Section 3: Hazard Identification

**Emergency overview:** Causes eye and skin irritation.

**Appearance:** Blue capsule, changing to pink when moist

**Flash Point:** Not available

**Target Organs:** Eyes, Skin

**Potential Health Effects**

**Eye:** Causes eye irritation

**Skin:** Skin irritant.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

**Aspiration Hazard:** No data available

**Chronic:** No data available

---

## Section 4: First Aid Measures

**Eyes:** Rinse thoroughly with water for at least 15 minutes. Seek medical attention.

**Skin:** Wash with plenty of soap and water. If irritation develops, seek medical attention.

**Ingestion:** Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water. Seek medical attention.

**Inhalation:** If inhaled, move person to fresh air. If not breathing, give artificial respiration and seek medical attention.

---

## Section 5: Fire Fighting Measures

**General Information:** Wear self-contained breathing apparatus for fire fighting if necessary.

**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**Hazardous Combustion Products:** The nature of the combustion products produced by fire conditions is unknown.

---

## Section 6: Accidental Release Measures

### General Information:

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Evacuate personnel to safe areas.

### Spills/Leaks:

Do not let product enter drains or waterways.

Sweep up and arrange for disposal without creating dust. Keep in suitable, closed containers for disposal.

---

## Section 7: Handling and Storage

**Handling:** Avoid contact with skin and eyes.

**Storage:** Store in tightly closed container in a dry, well-ventilated area.

---

## Section 8: Exposure Controls and Personal Protection

### Engineering Controls:

Natural ventilation to keep below TLV/TWA exposure limits (for amorphous silica dust).

### Exposure Limits:

Chemical Name	ACGIH	OSHA PELs
Silica*	10 mg/m <sup>3</sup>	NE
Cobalt Chloride **	0.02 mg/m <sup>3</sup>	NE

Silica gel, precipitated, hydrated, crystalline free

\*\* Inorganic cobalt compounds

Cobalt chloride (CAS# 7646-79-9) is listed by the NTP and IARC as possibly carcinogenic to humans. It is not OSHA regulated.

Silica, amorphous (CAS# 63231-67-4) is not listed by NTP or IARC, and is not OSHA regulated.

### Personal Protective Equipment

**Eyes:** Wear safety glasses with side shields.

**Skin:** Wear appropriate gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149 if excessive dust is present.

---

## Section 9: Physical and Chemical Properties

**Physical State:** solid

**Appearance:** Blue capsule, which turns pink when moist

**Odor:** odorless

**pH:** NA

**Vapor Pressure:** NA

**Vapor Density:** NA

**Evaporation Rate:** NA

**Viscosity:** NA  
**Boiling Point:** NA  
**Freezing/Melting Point:** NA  
**Autoignition Temperature:** NA  
**Flash Point:** NA  
**Decomposition Temperature:** NA  
**Explosion Limits:**  
    **Lower:** NA  
    **Upper:** NA  
**Solubility in water:** NA  
**Specific Gravity/Density:** NA  
**Molecular Formula:** NA  
**Molecular Weight:** NA

NA = Not available

---

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable under recommended storage conditions.  
**Conditions to Avoid:** Moisture  
**Incompatibility with Other Materials:** Strong acids  
**Hazardous Decomposition of Products:** NA  
**Hazardous Polymerization:** Will not occur

---

## Section 11: Toxicological Information

**RTECS#:**

CAS# 7646-79-9: GF9800000  
CAS#: 63231-67-4: VV7315000

**LD<sub>50</sub>/LC<sub>50</sub> Information:**

CAS# 7646-79-9: Oral, Rat     LD50 = 766 mg/kg

**Carcinogenicity:**

CAS# 7646-79-9:

IARC: Group 2B – Possibly carcinogenic to humans.  
NTP: Not identified as a known or anticipated carcinogen.  
OSHA: Not identified as a carcinogen or potential carcinogen.

**Teratogenicity:** No data available

**Reproductive Effects:** No data available

---

## Section 12: Ecological Information

**Exotoxicity:** No data available  
**Environmental Fate:** No data available  
**Aquatic:** No data available  
**Atmospheric:** No data available  
**Physical:** No data available

---

## Section 13: Disposal Considerations

This material is NOT classified as a hazardous material by RCRA. Use only licensed transporters and permitted disposal facilities.

Waste must be disposed of in accordance with all federal, state and local environmental control regulations.

Recycle to process, if possible.

---

## Section 14: Transport Information

**US DOT Hazard Class:** Not regulated

**IATA (for international shipments):** Not regulated

---

## Section 15: Regulatory Information

**United States:**

**TSCA:** Not listed

**CERCLA:** No Information Found

**SARA:**

**Section 302:** No reportable quantities listed.

**SARA Codes**

**Section 313:** Cobalt Chloride, CAS# 7646-79-9 listed.

**OSHA:** Irritant

**State (Individual states in the USA):**

CAS# 7646-79-9 is listed under the New Jersey and Pennsylvania Right To Know Laws.

**California Prop. 65:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Canada**

**DSL/NDL List:**

CAS# 63231-67-4 is listed on the DSL List.

CAS# 7646-79-9 is listed on the DSL List.

This product has a WHMIS classification of: Not listed.

---

## Section 16: Other Information

### **Disclaimer of Liability:**

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof, however SPI Supplies and Structure Probe, Inc. make no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assume no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of work place risks as required by other health and safety legislation. Be aware of the Structure Probe, Inc. [Copyright Policy](#). Structure Probe, Inc. grants a nonexclusive license to make unlimited copies of this safety sheet for internal use only. Quite obviously, this information would pertain only to this material when purchased from SPI Supplies as product from other sources, with other ingredients and impurity levels could have substantially different properties.