

SPI Supplies Division

Structure Probe, Inc.

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Manufacturer's CAGE: 1P573

Material Safety Data Sheet

Date Effective: March 26, 2012

SPI #02040-AE, 02050-AC [SPI-Dry™ Desiccant Capsules with Red/Pink Indicator](#)

Section 1: Identification

Chemical Name/Synonyms.....SPI-Dry™ Desiccant Capsules

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™ Desiccant Capsules

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 ³	NE
Cobalt Chloride **	0.02 mg/m ³	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

LD₅₀/LC₅₀ 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/NDSL 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 of fluids.

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