

MSDS

Chemical Name: Silica NanospringsTM
 CAS Registry Number:
 Formula: SiO₂
 EINECS Number: none
 Chemical Family: metal oxide
 Synonym: amorphous silica nanosprings

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound		100		

SECTION 3: Hazards Identification

Emergency Overview: Harmful by inhalation. Irritating to eyes and respiratory system.

Primary Routes of Exposure: Inhalation

Eye Contact: Causes slight to mild irritation of the eyes. Symptoms include redness, and pain.

Skin Contact: The dust may cause slight irritation and dryness of the skin.

Inhalation: Harmful by inhalation. Irritating to the nose, mucous membranes and respiratory tract. Symptoms include coughing, wheezing, and sore throat.

Ingestion: No information available on the effects of ingestion.

Acute Health Effects: Harmful by inhalation. Irritating to eyes and respiratory tract. Redness and pain in eyes and coughing and sore throat may result.

Chronic Health Effects: Prolonged inhalation of silica dust can produce silicosis with impairment of the cardiopulmonary system.

NTP: No

IARC: No

OSHA: No

SECTION 4: First Aid Measures

Eye Exposure: Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open.

MSDS

	Get immediate medical attention.
Skin Exposure:	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
Inhalation:	Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.
Ingestion:	Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5: Fire Fighting Measures

Flash Point:	not applicable
Autoignition Temperature:	none
Explosion Limits:	none
Extinguishing Medium:	material is non-flammable
Special Fire Fighting Procedures:	No special fire-fighting procedures. The material is non-flammable.
Hazardous Combustion and Decomposition Products:	No hazardous decomposition products.
Unusual Fire or Explosion Hazards:	No unusual fire or explosion hazards.

SECTION 6: Accidental Release Measures

Spill and Leak Procedures:	Small spills can be swept up.
----------------------------	-------------------------------

SECTION 7: Handling and Storage

Handling and Storage: No special storage conditions.

SECTION 8: Exposure Controls and Personal Protection

Eye Protection:	Always wear approved safety glasses when handling a chemical substance in the laboratory.
Skin Protection:	Wear protective clothing and gloves.
Ventilation:	Material may form a fine dust if abraded. If possible, handle the material in an efficient fume hood.
Respirator:	A respirator is not required
Additional Protection:	No additional protection required.

MSDS

SECTION 9: Physical and Chemical Properties

Color and Form:	white reddish film
Molecular Weight:	60.09
Melting Point:	1035°C (sublimes)
Boiling Point:	NA
Vapor Pressure:	NA
Specific Gravity:	no data
Odor:	none
Solubility in Water:	insoluble

SECTION 10: Stability and Reactivity

Stability:	air and moisture stable solid
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	none
Incompatibility:	hydrogen fluoride, wet fluorine, xenon hexafluoride, chlorine trifluoride.
Decomposition Products:	none

SECTION 11: Toxicological Information

RTECS Data:	No data available
Carcinogenic Effects:	No data available
Mutagenic Effects:	No data available
Tetratogenic Effects:	No data available

SECTION 12: Ecological Information

Ecological Information: No information available

SECTION 13: Disposal Considerations

Disposal: Dispose of according to local, state and federal regulations.

MSDS

SECTION 14: Transportation

Shipping Name (CFR): Non-hazardous
Hazard Class (CFR): NA
Additional Hazard Class (CFR): NA
Packaging Group (CFR): NA
UN ID Number (CFR): NA
Shipping Name (IATA): Non-hazardous
Hazard Class (IATA): NA
Additional Hazard Class (IATA): NA
Packaging Group (IATA): NA
UN ID Number (IATA): NA

SECTION 15: Regulatory Information

TSCA: Title compound not listed
SARA (Title 313): Title compound not listed
Second Ingredient: none
Third Ingredient: none

SECTION 16: Other Information

The information herein is believed to be accurate and reliable as of the date compiled. However, GoNano Technologies, Inc. makes no
Disclaimer: representation, warranty, or guarantee of any kind with respect to the information contained in this document or any use of the product based on this information.

Preparation Date: 10/12/09
Revision Date: