



Safety Data Sheet

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1. IDENTIFICATION

Product: Amorphous Silica P/N 941148.901	MSDS #: 901146.001
Product Use: For laboratory use only.	Date: Rev C, January 2, 2013

2. HAZARDS IDENTIFICATION:

Not classified as hazardous per GHS; not listed in Table 3.1 Annex VI of regulation 1272/2008/EU, as amended. The product is not hazardous in the form in which it is placed on the market and under the normal and recommended conditions of storage and use. The product is not dangerous according to the criteria set by the European Union (EU).

White, amorphous powder, not to be confused with crystalline silica. May cause mild irritation if inhaled or mechanical irritation upon eye or skin contact. Nuisance dust. The small quantities supplied in our products are unlikely to cause severe or immediate health effects. Use only as directed and in accordance with safe laboratory practices.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

CHEMICAL INGREDIENT NAME	CAS NUMBER	EC NUMBER	% by Weight	EXPOSURE LIMITS		
				OSHA	ACGIH	EU IOELV
Silica gel (silicon dioxide)	7631-86-9	231-545-4	>99	15 mg/m ³ Total PNOR 5 mg/m ³ Respirable PNOR	10 mg/m ³ Inhalable particles: PNOS	NE

Notes: Product is provided as a vial containing 25 grams of amorphous silica, for use as a filling medium.
 PNOR: Particulates not otherwise regulated. PNOS: Particles Not Otherwise Specified.
 Exposure Limits are 8-Hour TWA. (Time Weighted Average) unless designated C (Ceiling) or STEL (Short Term Exposure Limit).

4. FIRST AID MEASURES:

Inhalation: Remove to fresh air.
Skin Contact: Flush with water.
Eye Contact: Immediately flush with water for a minimum of 15 minutes.
Ingestion: Get medical attention.

After following first aid measures, seek medical attention.

5. FIRE-FIGHTING MEASURES:

Flammable Properties: Not flammable.
Extinguishing Media: Dry chemical, carbon dioxide or appropriate foam.
Unique Aspects Contributing To a Fire: None.
Special Fire Fighting Procedures: None.
Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES: Due to small quantities involved, spills or leaks should not pose a significant problem. Sweep up and place wastes into closed containers for proper disposal.

7. HANDLING AND STORAGE: Avoid raising dust. Handle as directed and in accordance with safe laboratory practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Handle in accordance with safe laboratory practices.

Respiratory Protection: Not normally needed. If exposure limits are exceeded, use approved particulate respirator.
Eye Protection: Safety glasses with side protection.
Skin Protection: No special requirements. Disposable nitrile are acceptable for light intermittent exposure.
Engineering Controls: No special requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: White powder

Physical State: Solid	Flash Point: NA	Vapor Pressure: NA
Odor: None	Explosion Limits: NA	Vapor Density (air=1): NA
pH: NA	Boiling Point: 4046° F (2230°C)	Solubility in Water: Negligible
Specific Gravity: 2.2 @ 25 °C	Melting Point: 3110° F (1710°C)	Other: Hygroscopic

10. STABILITY AND REACTIVITY:

Hazardous Polymerization Will Not Occur May Occur

Stability: Stable

Hazardous Decomposition/Combustion Products:

None

Conditions & Materials to Avoid:

Hydrogen fluoride, oxygen difluoride, chlorine trifluoride, vinyl acetate vapor.

11. TOXICOLOGICAL INFORMATION:

Primary Route(s) of Exposure under Normal Use: Inhalation.

Target Organ(s): Respiratory system.

Acute Effects: High concentrations or extended exposure to dust may be irritating.

48-hour oral, rat: LD50 > 31,600 mg/kg.

1-hour inhalation, rat: LC50 > 2 mg/l.

Chronic Effects: Prolonged or repeated overexposure to dust may cause harm to respiratory system. Prolonged or repeated skin contact may cause irritation or dryness of skin.

Other Information: Chemical Ingredient(s) not classified as carcinogen(s) by OSHA, IARC, NTP, ACGIH, or California.

12. ECOLOGICAL INFORMATION: Not known to have any adverse effect on the aquatic environment.

13. DISPOSAL CONSIDERATIONS: Consult state, local or national regulations for proper disposal. The U.S. Environmental Protection Agency (EPA) does not classify unused product as hazardous waste.

14. TRANSPORT INFORMATION: Not Dangerous Goods. Not Regulated.

IATA/ICAO: Shipping Name: NA	IMDG: NA
Hazard Class: NA	
UN/NA #: NA	
Packing Group #: NA	
	ADR: NA

15. REGULATORY INFORMATION:

U.S. TOSCA: Listed

Canada: This product has been classified according to the hazard criteria of the Controlled Product Registration (CPR) and this SDS contains all the information required by the CPR.

16. OTHER INFORMATION:

<u>U.S. EPA</u>		National Fire Protection Association Rating	
SARA 313 Chemicals	CERCLA RQ	4=Severe Hazard	HEALTH 1
None	None	3=Serious Hazard	FLAMMABILITY 0
		2=Moderate Hazard	REACTIVITY 0
		1=Slight Hazard	OTHER
		0=Minimal Hazard	

Notes, abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 EC: European Commission
 EU IOELV: European Union Indicative Occupational Exposure Limit Values

GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 IATA: International Air Transport Association
 IMDG: International Maritime Code for Dangerous Goods
 NA: Not Available.
 OSHA: Occupational Safety and Health Administration

For laboratory use only. Not for drug, household or other uses.

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