



Vacuduct® COLLOIDAL SILICA Material Safety Data Sheet

Effective Date: 2/20/08

Part no. 6974703

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Description: AMORPHOUS SILICA IN WATER

Chemical Name: AMORPHOUS SILICA

Manufacturer/Supplier: Danser, Inc.
P.O. Box 4098
Parkersburg, WV 26104
(304) 679-3666
www.danserinc.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name & CAS Number</u>	<u>%Wt/Wt</u>	<u>PEL-OSHA Exposure Limits</u>	<u>TLV-ACGIH Exposure Limits</u>
Amorphous Silica 7631-86-9	10 – 50%	10 mg/m ³ 8 hour TWA Respirable dust or mist.	
Sodium Hydroxide 1210-18-5	<1%	2 mg/m ³	
Water 7732-18-5	50-90%	N/A	Non-toxic

3. PHYSICAL AND CHEMICAL DATA

Appearance	Milky liquid
Odor	Odorless
pH	9 to 10
Specific Gravity	1.39
Solubility In Water	Infinite
Solubility In Other Solvents	No
Vapor Pressure	Same as water
Melting Point	N/A
Boiling Point	100°C/212°F (Same as water)
Evaporation Rate (water = 1)	N/A

4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F)	Noncombustible.
Flammable Limits (Vapor In Air, Vol.%)	N/A
Fire Extinguishing Media	N/A
Special Fire Fighting Procedures	Non flammable (water)
Unusual Fire And Explosion Hazards	Product will not burn, not explosive.

5. REACTIVITY DATA

Stability	Stable
Conditions To Avoid	None
Incompatibility (Materials To Avoid)	None
Hazardous Decomposition Products	None
Hazardous Polymerization	Will not occur.

6. STORAGE, HANDLING AND USE PROCEDURES

Storage And Handling	Protect from freezing and temperatures above 150°F / 66°C.
Normal Use	Same as above
Spillage	Mop up like water; may be slippery; non-hazardous. Transfer liquids and solids to separate suitable containers for recovery or disposal.
Waste Disposal Method	Non-hazardous, landfill or sewer according to local, state, and federal regulations

7. HEALTH HAZARD DATA

Chronic Hazards	No known chronic hazards. Not listed by OSHA, NTP, or IARC as a carcinogen.
Carcinogen	IARC? No OSHA? No
Medical Conditions Generally Aggravated By Exposure	None.
Eye Contact	Slight irritation
Skin Contact	Slight skin irritation
Inhalation	None, not a route of entry
Ingestion	Non-toxic; Stomach irritant.
First Aid Procedures	In case of eye contact. Immediately flush eyes with plenty of water. Call a physician. In case of ingestion, give 2 glasses of water to drink. Consult a physician.

8. PERSONAL PROTECTION INFORMATION

Respiratory Protection	None required; avoid breathing dried residues. Use NIOSH approved respirator whenever workplace conditions warrant use.
Gloves	Neoprene gloves provide protection against skin irritation.
Eye Protection	Safety glasses with side shields or chemical goggles. Other Protective Equipment: Eyewash fountain should be within direct access.



Personal Hygiene
General Ventilation

Wash thoroughly after handling
Equipment in contact with material should be rinsed with water prior to repair and maintenance.

NFPA – National Fire Protection Association Hazard Ratings

1	Health Hazard Rating - Slight
0	Flammability Rating – Minimal
0	Instability Rating - Minimal
ALK	Special Hazards – Alkaline (pH > 7)

HMIS – National Paint & Coating Hazardous Materials Identification System

1	Health Hazard Rating - Slight
0	Flammability Rating – Minimal
0	Reactivity Rating - Minimal
B	Personal Protection – Safety Glasses, Gloves

ABBREVIATONS

IARC	International Agency for Research on Cancer
TLV	Threshold Limit Value (ACGIH)
ACGIH	American Conference of Governmental Industrial Hygienists
TWA	Time Weighted Average
OSHA	Occupational Safety and Health Administration
N/A	Not Applicable
NFPA	National Fire Protection Association Hazard Ratings
HMIS	National Paint & Coating Hazardous Materials Identification System

DISCLAIMER

It is the responsibility of the user to comply with all federal, state, and local regulations. The information contained in this Material Safety Data Sheet is considered to be reliable. However, no guarantees or representations of any kind are made as to its accuracy when applied to particular storage, handling, or processing of the material, and hazards associated with the use of the material.