



Safety Data Sheet

Organosilicon dioxide, Silica Gel

Section 1. Identification

Product Identifier Organosilicon dioxide, Silica Gel
Synonyms N/A
Manufacturer Stock Numbers N/A

Recommended use N/A
Uses advised against N/A

Manufacturer Contact
Address

UCT LLC, INC.
2731 Bartram Road
Bristol, PA, 19007

Phone
(215) 781-9255

Emergency Phone
(800) 424-9300
Chemtrec
CHEMTREC

Fax
N/A

Email
manastasio@unitedchem.com

Website
www.unitedchem.com

Section 2. Hazards Identification

Classification SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3
Signal Word Warning
Pictogram



Hazard Statements May cause respiratory irritation; or May cause drowsiness or dizziness
Precautionary Statements

Response If inhaled: Remove person to fresh air and keep comfortable for breathing.
 Prevention Use only outdoors or in a well-ventilated area.
 Storage Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.
 Disposal Dispose of contents/container to an approved waste disposal plant

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified
 No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
71889-02-6	Modified Amorphous Silica	100 %

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General Consult a physician. Show this safety data sheet to the doctor in attendance.
 Move out of dangerous area
 Eye Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
 Skin Immediately flush with large amounts of water. Use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. Get prompt medical attention.
 Ingestion Give victim several glasses of water to dilute the ingested material. If large amount was swallowed, get medical attention.
 Inhalation Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
 Comments If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.
 Additional Information
 SIGNS AND SYMPTOMS OF OVEREXPOSURE
 CHRONIC EFFECTS: Repeated exposure may cause symptoms similar to those listed for acute effects.
 Synthetic amorphous silica does not produce silicosis.

Section 5. Fire Fighting Measures

Suitable Extinguishing Not considered to be an explosive hazard

Media Not considered to be a flammable hazard
Water spray, foam, carbon dioxide, dry chemical
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Unsuitable Extinguishing Media N/A

Section 6. Accidental Release Measures

Spill. Evacuate spill area of non-essential personnel. Ventilate the spill area. Avoid breathing vapor. Wear appropriate personal protective equipment.

General Procedures Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Special Protective Equipment Wear appropriate personal protective equipment as specified in section 8.

Additional Information GENERAL PROCEDURES: Ventilate area of leak or spill. Wear appropriate protective equipment as specified in Section 8.
Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Section 7. Handling and Storage

General Store in a cool dry place. Maintain tightly closed container. Store away from alkaline, acidic and oxidizing materials. Protect from moisture and heat. Provide adequate ventilation. When handling, follow all personal protective equipment recommendations in Section 8.

Handling Keep in a tightly closed container, store in a cool, dry, ventilated area. When pouring into a container of flammable liquid, ground both containers electrically to prevent a static electric spark. Empty containers should be completely drained, properly sealed and promptly returned to a drum reconditioner, or properly disposed of.

Storage. Store in a cool and dry place. Store in a tightly sealed container. Protect from heat, direct sunlight and source of ignition. Store away from acidic, alkaline and oxidizing materials. Provide adequate ventilation.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Modified Amorphous Silica	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.			

Eye and Face	Use chemical goggles
Skin	Use impervious gloves. Use impervious clothing as necessary to protect against skin contact
Respiratory	Maintain adequate ventilation. Mechanical ventilation recommended. In case of exposure, use appropriate NIOSH approved respiratory protection.
Work Hygienic Practices	General industrial hygiene practice
Comments	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment, in accordance with the OSHA PPE Standard (29 CFR 1910.132), be conducted before using this product.

Section 9. Physical and Chemical Properties

Physical State	Solid
Color	White/Powder
Odor	N/A
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
pH	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

Physical State Comments All data is based on bonded silica gel. Bonded silica gels have not been completely tested for health effects. This product contains synthetic amorphous silica, not to be confused with crystalline silica such as quartz, cristobalite or tridymite or with diatomaceous earth or other naturally occurring forms of amorphous silica that frequently contain crystalline forms.

Section 10. Stability and Reactivity

Stability (Under Normal Conditions) Stable under ordinary conditions of use and

	storage
Polymerization	Hazardous polymerization will not occur
Conditions to Avoid	Water and moist air Avoid contact with heat, sparks or open flame
Incompatible materials	Reacts with hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases, and oxidizers

Section 11. Toxicological Information

Carcinogenicity	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.</p> <p>OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.</p>
Reproductive Effects	Not yet determined
Comments	To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Although we are unaware of any health or environmental risks from this material, exposure should be minimized.
Additional Information	<p>EYE EFFECTS: Not yet known.</p> <p>SKIN EFFECTS: Powder, lyophilized</p> <p>Liquid, Transparent brown colored liquid</p> <p>CHRONIC: None known.</p> <p>SUBCHRONIC: None known.</p>

Section 12. Ecological Information

Environmental Data	When released into the soil, this material is not expected to biodegrade
Aquatic Toxicity	This material is not expected to be toxic to aquatic life
Soil	When released into soil, this material is expected to leach into the groundwater. This material is not expected to bioaccumulate.
Additional Information	<p>The LC50/96-hour values for fish are over 100mg/l.</p> <p>The EC50/48-hour values for daphnia are over 100 mg/l.</p>

Section 13. Disposal

Disposal	Incineration is recommended. Treat or dispose of waste material in accordance to all local, state/provincial and national/federal requirements. Containers of this material may be hazardous when empty since they retain product residues (liquid). Observe all warnings and precautions for this material.
----------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Empty Container Containers of this material may be hazardous when empty since they retain product residues (liquids). Observe all warnings and precautions listed for this product.

Section 14. Transport Information

UN Number N/A
UN Proper Shipping Name Not Dangerous Goods
DOT Classification N/A
Packing Group N/A
Comments Not regulated

Section 15. Regulatory Information

Exempt This product is TSCA exempt.

Section 16. Other Information

Revision Date 2/29/2016

Manufacturer Disclaimer The data in this Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

Manufacturer Supplemental Notes All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Statement THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS SAFETY DATA SHEET HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST OPINION ON THE SUBJECT AS OF THE DATE ON THIS SHEET. HOWEVER, NO WARRENTY, GUARENTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, IS MADE BY UCT, INC. AS TO THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION OR TO THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

Additional Information HMIS Rating:
Health - 2
Flamnability - 1
Physical Hazard-1

NFPA Codes:
Health Hazard - 2
Flammable Hazard - 1
Instability Hazard - 1