



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Silica Gel (PPTD) Micronized

30-1009

Section 1: Identification

Product Name Silica Gel (PPTD) Micronized
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.

Product Code 30-1009

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available.

CFR 1910.1200

Signal Word NON-HAZARDOUS

Hazard Statement(s) Not a hazardous substance or mixture.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available.
Response Not available.
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Silica gel
% By Weight 100
CAS# 112926-00-8
Molecular Weight Not available.
Chemical Formula SiO₂.xH₂O
Synonym(s) Not available.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Silica gel	112926-00-8	100	Not available.	Not available.

Section 4: First-Aid Measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	Not available.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media	Not applicable.
Unsuitable Extinguishing Media	Not available.
Products of Combustion	Not available.
Firefighters Special Equipment and Precautions	Not available.

Section 6: Accidental Release Measures

LARGE SPILL: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. SMALL SPILL: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7: Handling and Storage

Handling: Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Storage: Hygroscopic. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23°C (73.4°F).

Section 8: Exposure Controls/Personal Protection

Exposure Limits	TWA: 6 (mg/m ³) [Canada] TWA: 10 (mg/m ³) from ACGIH (TLV) [United States]
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9: Physical and Chemical Properties

Appearance	White solid.		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	Decomposes.	pH	ca. 6 (50 g / l) (20 °C)
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not applicable.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Insoluble in cold water. Soluble in hot KOH and MaOH solutions.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	The product is stable.
Hazardous Polymerization	Corrosivity: Non-corrosive in presence of glass. Hazardous polymerization will not occur.
Conditions to Avoid	Moisture, excess dust generation.
Incompatible Materials	Not available.
Hazardous Decomposition Products	None known.

Section 11: Toxicological Information

RTECS VV8850000

Acute Toxicity

Acute oral toxicity (LD50): >31600 mg/kg [Rat. This is data from a 48 hr. oral test for DOT hazard classification conducted with finely-ground silica gel.]. Acute dermal toxicity (LD50): >2000 mg/kg [Rabbit. This is data from a 48 hr. dermal test for DOT hazard classification conducted with finely-ground silica gel.]. Acute Potential Health Effects: Skin: May cause irritation with dryness of the skin in cases of severe exposure Eyes: No adverse effects expected, but dust may cause mechanical irritation. Inhalation: May cause dryness and irritation to mucous membranes and respiratory tract in case of severe exposure. Ingestion: May be harmful if swallowed in large amounts. However, no adverse effects are expected for normal industrial handling. Silica gel is a 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. Epidemiological studies indicate a low potential for health effects.

Skin Corrosion/Irritation

rabbit, literature, not irritating

Serious Eye Damage/Irritation

rabbit, literature, not irritating

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

In vitro and in vivo experiments, no evidence of mutagenic effects, literature.

Carcinogenicity

no negative effects

Reproductive Toxicity

no negative effects

Routes of Entry

Inhalation. Ingestion.

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise. Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE

Other

WHMIS Not controlled under WHMIS (Canada). (Canada); DSCL (EEC) This product is not classified according to the EU regulations.; Gloves.; Lab coat.; Dust respirator. Be sure to use an approved/certified respirator or equivalent.; Safety glasses.

Section 16: Other Information

Not available.