Pollin ELECTRONIC

Best. Nr. 442 809

Datenblatt
5g Silica Gel Desiccant 10pcs pack set

Silica Gel Desiccant
5g x 10 bags

Weight per bag:5g
Bag per pack: 10 bags
Bag size: approx. 57 x 45 x 6 mm

MATERIAL SAFETY DATA

Composition/Information on Ingredient

Chemical composition

Chemical name	CAS No.	Formula	Composition	EINECS
Silica-amorphous	112926-00-8	SiO2	99.6%	/

Hazards Identification

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 occuring forms of amorphous silica that frequently contain crystalline forms. Epidemiological studies indicate a low potential for health effects.

Potential Health Effects
Eye: No adverse effects expected, but dust may cause mechanical irritation.
Skin : May cause irritation with dryness of the skin in cases of severe exposure.
Ingestion : May be harmful if swallowed in large amounts. However, no adverse effects are expected for normal industrial handing.
Inhalation : Mau cause dryness and irritation to mucous membranes and respiratory tract in case of severe exposure. Symptoms may include coughing, sore throat, and wheezing.

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First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes,
occasionally lifting the upper and lower eyelids, Get medical attention if irritation occurs.
Skin : Flush skin with soap and water, Cover the irritated skin with an emollient.
Get medical attention if irritation develops.
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.
Inhalation : Remove from exposure and move to fresh air immediately, If not breathing, give
artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Fire Fighting Measures

General Information : As in any fore, wear a self-contained breathing apparatus in
pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Substance can explode when wet and heated with magnesium.
Extinguishing Media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Accidental Release Measures

General Information : Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.
Avoid dust formation. Provide ventilation. Pellets remained on ground may cause slipping.

Handling and Storage

Handing : Use with adequate ventilation, Do not breathe dust, vapor, mist, or gas.
Avoid prolonged or repeated contact with skin. Avoid contact with eyes.
Avoid ingestion and inhalation.
Storage : Store in a tightly closed container. Store in a cool, dry, well-ventilated area
away from incompatible substances.

Exposure Controls, Personal Protection

Engineering Controls : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment
Eyes : Wear appropriate chemical safety goggles.
Skin : For prolonged or repeated contact use protective gloves.
Clothing : Normal work wear.
Respirators : Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Physical and Chemical Properties

Physical State :	Granules
Color :	Colorless
Odor :	Odorless
pH :	3-8
Vapor Pressure :	Not applicable
Boiling Point :	› 2300 °C
Freezing/Melting Point :	› 1000 °C
Autoignition Temperature :	Not available
Flash Point :	Not applicable
Explosion Limits : Lower :	Not applicable
Explosion Limits : Upper :	Not applicable
Decomposition Temperature :	Not applicable
Solubility in water :	Insoluble
Specific Gravity/Density :	~ 2.1 g/cm³

Stability and Reactivity

Chemical Stability : Stable under normal temperatures and pressure.
Conditions to Avoid : Incompatible materials . Excess dust generation.
Incompatibilities with Other Materials : Strong oxidizing agents.
Hazardous Decomposition Products : Silicon oxides.
Hazardous Polymerization : Has not been reported.

Toxicological Information

RTECS#: CAS# 112926-00-8 : Vv7315000
LD50/LC50 : CAS# 112926-00-8 :
Oral, rat : LD50 > 31600 mg/kg;
Skin, rabbit : LD50 › 2000 mg/kg;

Carcinogenicity : Silicon-amorphous-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.
Other : The toxicological properties have not been fully investigated.

Ecological Information

Ecotoxicity : Not available.

Disposal Considerations

Dispose of in a manner consistent with federal, state and local regulations.

Transport Information

	IATA	IMO	RID/ADR
Proper shipping name	Not regulated	Not regulated	Not regulated
Hazard class			
Un number			
Packing group			

Regulatory Information

Regulatory Information : Reference to the local, national and EU / international regulations
Hazard Symbols : Not available
Risk Phrases : Not available
Safety Phrases :
S 22 Do not breathe dust
S 24/25 Avoid contact with skin and eyes.

Additional Information

MSDS Creation Date : September 15, 2020

The above information is based in the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.