



## SAFETY DATA SHEET

Revision Date: 01/15/2020

Version 4

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### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name Dry & Dry White Silica Gel Desiccant

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Adsorbent

#### 1.3 Details of the supplier of the safety data sheet

Company L2K Commerce  
590 Apollo St Ste A  
Brea, CA 92821

1.4 Emergency telephone number 714-337-6239

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### SECTION 2. 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 occurring forms of amorphous silica that frequently contain crystalline forms.

Epidemiological studies indicate a low potential for health effects.

#### 2.1 Classification of the substance or mixture

This substance is not classified as a hazardous substance or mixture.

#### 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

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### SECTION 3. Composition/information on ingredients

Chemical nature silicon dioxide amorphous

#### 3.1 Substance

Formula	SiO <sub>2</sub>
EC-No.	231-545-4
CAS No.	112926-00-8
Molar mass	60,08 g/mol

#### 3.2 Mixture

Not applicable

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### SECTION 4. First aid measures

#### 4.1 Description of first aid measures

After inhalation: Remove from exposure and move to fresh air immediately. Get medical attention if breathing is difficult.

In case of skin contact: Take off immediately all contaminated clothing. Flush skin with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

After eye contact: 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.

After swallowing: 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. Make the victim drink water (two glasses at most). Get medical advice if large amounts are ingested.

#### 4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

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### SECTION 5. Firefighting measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA-NIOSH (approved or equivalent), and full protective gear.

#### 5.1 Extinguishing media

*Suitable extinguishing media*

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

*Unsuitable extinguishing media*

For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Special hazards arising from the substance or mixture**

Not combustible.

Ambient fire may liberate hazardous vapors.

**5.3 Advice for firefighters**

*Special protective equipment for firefighters*

In the event of fire, wear self-contained breathing apparatus.

*Further information*

Suppress (knock down) gases/vapours/mists with a water spray jet.

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**SECTION 6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dust. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders:

Protective equipment see section 8.

**6.2 Environmental precautions**

No special precautionary measures necessary.

**6.3 Methods and materials for containment and cleaning up**

Observe possible material restrictions (see sections 7 and 10). Vacuum or sweep up material and place into a suitable disposal container. Avoid dust formation. Provide ventilation. Pellets remaining on the ground may cause slipping.

**6.4 Reference to other sections**

Indications about waste treatment see section 13.

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**SECTION 7. Handling and storage**

**7.1 Precautions for safe handling**

*Advice on safe handling*

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.

*Hygiene measures*

Change contaminated clothing. Wash hands after working with substance.

**7.2 Conditions for safe storage, including any incompatibilities**

*Storage conditions*

Store in tightly closed containers. Store in a cool, dry, well-ventilated area away from incompatible substances.

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**SECTION 8. Exposure controls/personal protection**

**8.1 Control parameters limits**

**NIOSH REL :** TWA 6 mg/m<sup>3</sup>

**OSHA PEL :** TWA 20 mppcf (80 mg/m<sup>3</sup>/%SiO<sub>2</sub>)

**8.2 Exposure controls**

**Engineering measures**

Facilities storing or utilizing this material should be equipped with an eyewash facility. Use adequate ventilation to keep airborne concentration low.

**Individual protection measures**

*Eye/face protection*

Safety glasses

*Hand protection*

For prolonged or repeated contact, use protective gloves.

*Respiratory protection*

Follow the OSHA respirator regulations found in 29 CFR1910.134 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.

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**SECTION 9. Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Form	solid
Color	colorless
Odor	odorless
Odor Threshold	Not applicable
pH	3 - 8
Melting point	>1000 °C
Boiling point	>2300 °C
Flash point	Not applicable
Flammability (solid, gas)	The product is not flammable.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapor pressure	No information available.
Specific Gravity/Density	~2.1 g/cm <sup>3</sup>
Water solubility	insoluble
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	No information available.
Explosive properties	Not classified as explosive.
Oxidizing properties	none

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## SECTION 10. Stability and reactivity

### 10.1 Reactivity See section 10.3

### 10.2 Chemical stability

The product is chemically stable under normal temperature and pressures.

### 10.3 Possibility of hazardous reactions

Exothermic reaction with:

Hydrogen halides, halogen oxides, alkali hydroxides, sodium, xenon hexafluoride

### 10.4 Conditions to avoid

Moisture, extreme heat, and incompatibles

### 10.5 Incompatible materials

This product is incompatible with hydrogen fluoride, fluorine, oxygen difluoride, chlorine trifluoride, strong acids, strong bases, and oxidizers.

## 10.6 Hazardous decomposition products

Oxides of carbon and silicon may be formed when heated to decomposition

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## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

LD50/LC50: CAS # 112926-00-8

Oral, rat : LD50 >31600 mg/kg;

Skin, rabbit: LD50 >2000 mg/kg;

**Carcinogenicity:** Silica-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.

**Acute toxicity Inhalation :** No data available

**Ingestion :** No data available

**Dermal :** No data available

**Skin corrosion/irritation** No special risk under normal use. Dusts of particulates may cause minor abrasion. May cause dryness.

**Serious eye damage/eye irritation** No special risk under normal use. Dusts of particulates may cause mechanical irritation, possibly including pain, tearing, and redness. Scratching of the cornea can occur if eye is rubbed.

**Respiratory or skin sensitization** No special risk under normal use.

Inhalation of airborne particulates may lead to mechanical irritation of the respiratory tract and mucous membranes.

**Reproductive toxicity** No data available

**Specific target organ toxicity following single exposure** No data available

**Specific target organ toxicity following repeated exposure** No data available

**Aspiration hazard** Dust may irritate lungs. Amorphous silica does not produce silicosis.

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## SECTION 12. Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

#### 12.4 Mobility in soil

No information available.

#### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

#### 12.6 Other adverse effects

Discharge into the environment must be avoided.

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### SECTION 13. Disposal considerations

#### *Waste treatment methods*

Dispose of in accordance with federal, state, and local environmental control regulations.

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### SECTION 14. Transport information

#### Land transport (ADR/RID)

14.1 - 14.6 Not classified as dangerous in the meaning of transport regulations.

Inland waterway transport (ADN) Not relevant

#### Air transport (IATA)

14.1 - 14.6 Not classified as dangerous in the meaning of transport regulations.

#### Sea transport (IMDG)

14.1 - 14.6 Not classified as dangerous in the meaning of transport regulations.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

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### SECTION 15. Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### SARA 301 Components

Not subject to requirements of SARA Title III, Section 302.

##### SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (de Minimis) reporting levels established by SARA Title III, Section 313.

##### Toxic Control Substance Act

This product complies with all applicable rules under TSCA

**California Proposition 65 Components**    Product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**DOT Classification**    Not a DOT controlled material

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out.

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**SECTION 16. Other information**

**Training advice**

Provide adequate information, instruction and training for operators.

**Regional representation**

This information is given on the authorized Safety Data Sheet for your country.

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The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.