



# KING Play Sand

## SECTION 1. IDENTIFICATION

**Product Identifier** KING Play Sand  
**Other Means of Identification** KING Play Sand  
**Product Family** KING Home Improvement Products  
**Recommended Use** Ideal for sand boxes, play grounds and displays.  
**Manufacturer/Supplier Identifier** King Packaged Materials Company, 555 Michigan Drive, Suite 100, Oakville, Ontario, L6L 0G4, www.kpmindustries.com  
**Emergency Phone No.** INFOTRAC, 1-800-535-5053  
Chemtrec, (800) 424-9300, 24 hours/7 days a week  
**SDS No.** 0160

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Carcinogenicity - Category 1A; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 1

### Label Elements



Danger

Hazard Statement(s):

May cause cancer.

May cause respiratory irritation.

Causes damage to organs (lungs) through prolonged or repeated exposure.

Precautionary Statement(s):

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe dust/fume/gas/mist/vapours/spray.

IF exposed or concerned: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents and container in accordance with local, regional, national and international regulations.

Use only outdoors or in a well-ventilated area.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Call a POISON CENTRE or doctor if you feel unwell.

### Other Hazards

None known.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Silica, total quartz	14808-60-7	100%		

### Notes

Keeping Play Sand in a damp state as packaged eliminates inhalation hazards associated with dust.

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

#### Skin Contact

Seek medical attention for rash, burns, irritation, dermatitis and prolonged unprotected exposures to wet cement, cement mixtures or liquids from wet cement.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.

#### Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Immediately call a Poison Centre or doctor.

### Immediate Medical Attention and Special Treatment

#### Special Instructions

Additional Notes - Silicosis - There are three (3) types of silicosis:

1) Simple chronic silicosis - which results from long-term exposure (more than 20 years) to low amounts of respirable crystalline silica. Nodules of chronic inflammation and scarring provoked by the respirable crystalline silica form in the lungs and chest lymph nodes. This disease may feature breathlessness and may resemble chronic obstructive pulmonary disease (COPD).

2) Accelerated silicosis - occurs after exposure to larger amounts of respirable crystalline silica over a shorter period of time (5-15 years). Inflammation, scarring, and symptoms progress faster in accelerated silicosis than in simple silicosis.

3) Acute silicosis - results from short-term exposure to very large amounts of respirable crystalline silica. The lungs become very inflamed and may fill with fluid, causing severe shortness of breath and low blood oxygen levels.

Progressive massive fibrosis may occur in simple or accelerated silicosis, but is more common in the accelerated form. Progressive massive fibrosis results from severe scarring and leads to the destruction of normal lung structures.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Product

Does not burn.

None known.

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### Special Protective Equipment and Precautions for Fire-fighters

Quartz is a carcinogen and chronic inhalation hazard. Firefighters may enter the area if positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) and full Bunker Gear is worn. Wash down contaminated Bunker gear with water to remove any quartz fibres.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Avoid inhalation of the product and contact with skin.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Scrape wet product and place in container. Allow material to dry or solidify before disposal. Avoid generating dust.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Always use good industrial hygiene practices and safety guidelines. Stack the bags safely in order to prevent bags from falling. Avoid generating dusts. Only use where there is adequate ventilation. Keep containers tightly closed when not in use or empty.

### Conditions for Safe Storage

Store in an area that is: dry, separate from incompatible materials (see Section 10: Stability and Reactivity). Keep away from food and drinking water. Keep containers tightly closed when not in use.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Silica, total quartz	0.05 mg/m <sup>3</sup> (R) A2		0.1 mg/m <sup>3</sup>			

### Appropriate Engineering Controls

If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Individual Protection Measures

#### Eye/Face Protection

Approved safety eye wear should be worn, based on the risk assessments performed.

#### Skin Protection

Personal protective equipment for the body should be selected based on the task being performed. This includes gloves, coveralls and footwear. Use appropriate gloves to minimize contact with skin.

#### Respiratory Protection

Use of an approved respirator, based on a risk assessment is necessary. Respiratory protection should be selected based on the known or anticipated levels of exposure, and the work being performed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	powder.
Odour	Odourless
Odour Threshold	Not available
pH	Not applicable

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<b>Melting Point/Freezing Point</b>	Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Relative Density (water = 1)</b>	2.5
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Other Information</b>	
<b>Physical State</b>	Solid

## SECTION 10. STABILITY AND REACTIVITY

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

Water, moisture or humidity.

### Incompatible Materials

Reacts violently with: strong oxidizing agents (e.g. perchloric acid). Causing an explosion and fire.

### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Silica, total quartz		500 mg/kg (rat)	

### Skin Corrosion/Irritation

No information was located.

### Serious Eye Damage/Irritation

No information was located.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Exposure to airborne concentrations above exposure limits may cause irritation of the nose, throat and lungs.

#### Skin Absorption

No information was located.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

Lung damage, such as inflammation, silicosis (scarring of the lungs) and alveolar proteinosis (a condition where a type of protein builds up in the alveoli) have been observed in several different animal species following exposures to quartz

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ranging from one week to 27 months. Risk of injury depends on duration and level of exposure.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Silica, total quartz	Group 1	A2	Known carcinogen	

IARC: Group 1 – Carcinogenic to humans. ACGIH®: A1 – Confirmed human carcinogen.

No information was located for: Skin Corrosion/Irritation, Serious Eye Damage/Irritation, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

## SECTION 12. ECOLOGICAL INFORMATION

There are no known significant effects or critical hazards.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Store product for disposal as described under Storage in Section 7 of this safety data sheet.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

#### WHMIS 1988 Classification

Not a WHMIS controlled product.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** King Packaged Materials Company

**Phone No.** 905-639-2993

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**Disclaimer** To the best of our knowledge, the information contained herein is accurate. However, neither King Packaged Materials Company, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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