

**IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY /  
UNDERTAKING**

**1.1 Product identifier** PLAY SAND

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

Sports and leisure

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

Aggregates R Us

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**1.4 Emergency Contact:** Tel: 01302 770918 (Office Hours)

**2. HAZARD IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Classification CLP Classification (Regulation (EC) 1272/2008):

Quartz sand does not meet the criteria for classification as dangerous as defined in Directive 67/548/EEC (classification, packaging and labelling of dangerous substances).

**2.2 Label elements** Not Classified

**2.3 Other hazards**

The grain size distribution of silica sand means that it is not hazardous. However, any respirable crystalline silica dust generated by processing and handling of silica sand may cause health effects. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica should be monitored and controlled.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

### **3.1 Substance**

Chemical: SiO<sub>2</sub> (ca. 99 %)

Mineralogical: alpha quartz

E.I.N.E.C.S.-N°: 238-878-4

C.A.S.-N°: 14808-60-7

EU-classification: no classification

IUPAC Name: silicon dioxide

REACH Reg. No: Exempted

### **4. FIRST AID MEASURES**

#### **4.1 Description of first aid measures**

##### **General advice**

No actions are to be avoided, nor are there any special instructions for rescuers.

##### **Eye contact**

Wash with copious quantities of water.

##### **Ingestion**

Not hazardous. No special first aid measures necessary.

##### **Inhalation**

No special first aid measures. Remove to fresh air and consult a physician.

##### **Skin contact**

Not hazardous. No special first aid measures necessary.

#### **4.2 Most important symptoms and effects**

No specific information.

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

No specific information. Treatment symptomatic.

### **5. FIRE-FIGHTING MEASURES**

#### **5.1 Extinguishing media**

**Suitable extinguishing media:** Does not burn. Use extinguishing media suitable for surrounding materials.

**Unsuitable extinguishing media:** Not applicable.

**Special exposure hazards:** No hazardous releases in case of fire.

**Special protective equipment for fire fighters:** Not applicable.

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

None known.

## **5.3 Advice for fire-fighters**

No specific protection required.

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions**

Avoid airborne dust generation. In case of exposure to airborne dust concentrations exceeding regulatory limits, wear a personal respirator in compliance with national legislation.

### **6.2 Environmental precautions**

No special requirements.

### **6.3 Methods for cleaning up**

Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation.

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Avoid airborne dust generation. Handle bags carefully to prevent accidental bursting. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

### **7.2 Conditions for safe storage**

Keep containers closed and store/handle bagged products to prevent accidental bursting.

### **7.3 Specific end use**

Play Sand.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1 Control parameters & Exposure limit values**

Respect workplace regulatory provisions for all types of airborne dust

### **8.2 Exposure controls**

Occupational exposure controls Provide appropriate local exhaust ventilation in places where dust is generated. Control of occupational exposure may also be achieved by enclosing plant and equipment, by isolating personnel from dusty areas and by ensuring good standards of ventilation in the workplace.

#### **Respiratory protection**

In case of exposure to airborne dust concentrations exceeding regulatory limits, wear a personal respirator that complies with the requirements of national legislation.

#### **Eye protection**

Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.

#### **Environmental exposure controls**

No special requirements.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance Solid, granular, yellow/brown.

**Odour** Odourless.

**Density:** 1.301 g/cm<sup>3</sup>

**SiO<sub>2</sub> %:** ca. 99 %

**Grain shape:** sub-angular

**Particle size range:** 0.15 – 0.4mm nominal

**Solubility in water:** negligible

**Solubility in hydrofluoric acid** yes

**Melting point:** 1610°C

**Molecular weight:** 60.1

## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

Not considered chemically reactive

### **10.2 Chemical stability**

Stable under normal ambient conditions and under the anticipated conditions of use

### **10.3 Possibility of hazardous reactions**

None known

### **10.4 Conditions to avoid**

None known

### **10.5 Incompatible materials**

None known

### **10.6 Hazardous decomposition products**

None known

## **11. TOXICOLOGICAL INFORMATION**

**Skin irritation:** Data shows no skin irritation effects.

**Eye irritation:** Data shows no eye irritation effects.

## **12. DISPOSAL CONSIDERATIONS**

### **12.1 Waste treatment methods**

**Waste from residues / unused products:** Where possible, recycling is preferable to disposal.

**Packaging** No specific requirements. Recycling is preferable to disposal.

## **13. TRANSPORT INFORMATION**

**13.1 UN number:** Product is unclassified for transport

**13.2 UN proper shipping name:** Product is unclassified for transport

**13.3 Transport hazard** Product is unclassified for transport

**13.4 Packing group:** Product is unclassified for transport

**13.5 Environmental hazards:** Product is unclassified for transport

**13.6 Special precautions for user:** Product is unclassified for transport

## **14. OTHER INFORMATION**

### **Liability**

The information provided is to the best of Aggregates R Us Ltd knowledge and belief accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.