



## COSHH ASSESSMENT & HAZARD SUMMARY SHEET

Substance / Trade Name:

# Bricks, Blocks, Road Surfaces (Cutting / Dust)



Supplier: N/A

Toxic Ingredients	*LTEL	*STEL	**COMMENTS
Quartz (Chrystalline Silica)	0.1mg/m3		WEL
Silicon Carbide (Abrasive Wheel)	10mg/m3		TID
“ “	4mg/m3		RP

**Description of Substance:** Fired clay, concrete, bricks or blocks, which may contain varying quantities of silica. Asphalt/concrete of various aggregate/bitumen quantities make up within carriageway/footway etc.

**Hazards:** Prolonged exposure to silica at concentrations in excess of the WEL may over several years result in the development of silicosis.

### PPE

Dust Mask	Gloves	Goggles	Footwear	Ear Protection

### First Aid

Skin	Remove any contaminated clothing. Wash skin with soap and rinse with plenty of water. If irritation persists, obtain prompt medical attention.
Eyes	Do not rub eyes, as the material is abrasive and may scratch the surface of the eye. Immediately and thoroughly irrigate with water. Seek medical attention if irritation persists.
Inhalation	Remove to fresh air and allow person to rest. If recovery is not rapid obtain prompt medical attention.
Ingestion	Ingestion of significant quantities of sand that could cause harm is very unlikely. If material enters the mouth, do not induce vomiting. Give plenty of water to drink. Seek medical attention if feeling unwell.

**Storage Conditions:** N/A

**\*LTEL:** Long-term Exposure Limit – 8-hour weighted average (TWA) ref period

**\*STEL:** Short-term Exposure Limit – 15-min ref period

**\*\*WEL:** Workplace Exposure Limit

**OES:** Occupational Exposure Standard

**TID:** Total Inhalable Dust

**RD:** Respirable Dust



**Substance / Trade Name:** Bricks/Blocks/Road Surfaces (Cutting/Dust)

**Activity / Conditions of Use:** Bricks/Blocks or Road Surfaces may be cut by hand using a brick hammer, hammer and bolster, trowel etc. or by machine methods e.g. abrasive wheel, diamond or tungsten tipped wheel on a fixed or portable appliance

**Quantities used:** N/A

**Assessment of risk:** For manual cutting of the materials, the risk to health from the inhalation is insignificant as the silica in the products/materials is not released as an airborne dust. In comparison, when cutting is carried out mechanically the risk to health may be significant depending on ventilation and duration of the task/exposure. Operatives involved in mechanical cutting on an extended or regular basis (e.g. in excess of 30mins per day) should be subjected to an additional risk assessment.

**Recommended control measures:** Dust extraction or water spraying dust suppression attachments must be fitted to mechanical cutting equipment. Eye protection must be provided for mechanical and hand cutting. Gloves should be worn to avoid skin abrasion. Dust masks should also be used as an added precaution.

**Spillage Management:** N/A

**Disposal:** N/A

This Risk Assessment applies only to this substance when encountered or used in the activity and / or conditions described above. If there is a change in the activity or conditions in which the substance is encountered or used, a new assessment must be made.

**Print name:**

**Signed:**

**Date:**