



Supporting document 1 (ID2)

Excerpt from Safety Data Sheet: Raw Material A (RMA)

**This excerpt is for educational purposes only, created solely for the purpose of this assessment, not for general use in relation to any substance.*

1. Identification of substance

Name of substance:	Natural aggregates
Product Identification:	Crushed rock fragments

2. Hazard Identification

Product is supplied in fine powder form.

Dust contains respirable crystalline silica. Occupational exposure should be monitored and controlled.

Long term exposure to respirable crystalline silica may result in damage to the respiratory system and disease (such as Silicosis, Chronic Obstructive Pulmonary Disease, Bronchitis, Emphysema). Respirable crystalline silica is classified as a Group 1 carcinogen, long term exposure may cause lung cancer.

3. Composition/information on ingredients

Product contains 66% respirable crystalline silica (in the form of natural Silica Dioxide as Quartz) and amorphous silica.

As a naturally occurring mineral deposit, exact composition may vary, dependent on source.

4. First Aid measures

Inhalation:	Move to fresh air straight away.
Contact with skin:	Wash affected area thoroughly with water (prolonged contact with product may cause skin irritation and dryness).
Contact with eyes:	Thoroughly irrigate eye with clean water or eye wash solution. (Due to the abrasive nature of the product, avoid rubbing the eye).
Ingestion:	Ingestion of significant quantities of the product which could cause harm is unlikely. Drink water, do not induce vomiting.
	If symptoms persist, seek medical attention.

5. Firefighting measures

Extinguishing media:	All extinguishing media are considered suitable (product is not combustible).
Hazards arising in fire:	None

6. Accidental release measures

Personal Precautions:	Avoid dust inhalation and skin contact. Keep out of eyes.
Environmental Precautions:	Prevent dust from entering drains/watercourses. Avoid contamination of ground/vegetation.
Cleaning methods:	Vacuum clean where possible. Where this is not practicable, damp down with water spray prior to cleaning up.

7. Handling and storage

Safe handling:	Care must be taken when handling to prevent dust generation. When handling the 25Kg sacks of product, consider manual handling principles.
Safe storage:	Bags of product not to be stored open to reduce generation of airborne dust.

8. Exposure controls / Personal protection

Control measures:	Control dust by containment, suppression, extraction and filtration where possible. Inhalation of dust to be kept below the Workplace Exposure Limit (WEL). Regular monitoring should be undertaken to identify where exposure occurs to enable further implementation of control measures.
Respiratory protection:	Where other control measures have not sufficiently protected against inhalation, FFP3 protection is recommended.
Hand protection:	Gloves should be worn; hands washed thoroughly before eating or drinking.
Eye protection:	Goggles should be worn to prevent dust entering the eyes.
Skin protection:	Overalls should be worn to protect skin and prevent contamination of clothing.

Workplace Exposure Limit:

Substance	WEL (8 hr TWA) mg/m ³
Amorphous silica (inhalable)	6
Amorphous silica (respirable)	2.4
RCS (respirable fraction)	0.1
Dust of any kind	10

As no STEL WEL is assigned advice is to use a figure 3 x LTEL WEL