

# SAFETY DATA SHEET

Code: Tarmac 11 - Issue: 4

Issue Date: May 2008 page 1 of 2

## 1 Identification of Substance & Company

### RECYCLED DEMOLITION AGGREGATES

#### Company

Tarmac Limited  
Millfields Road  
Ettingshall  
Wolverhampton WV4 6JP  
Telephone: 01902 353522  
Fax: 01902 353920  
Emergency Telephone: 01902 353522

## 2 Composition / Information on Ingredients

Recycled demolition aggregates are produced from the demolition of buildings and similar structures. They may contain crushed concrete, brick, stone or aggregate in varying proportions.

For further details of the composition of the product contact the supplying location.

## 3 Hazards Identification

These products are NOT classified as hazardous in accordance with the CHIP regulations (SI 3247 : 1994).

If inhaled in excessive quantities over a prolonged period or extended period, respirable dust can constitute a long term health hazard. Dusts containing Respirable Crystalline Silica (Quartz) present a greater hazard.

Some sand aggregates are unsuitable for sand blasting operations as they may break down, producing respirable dust containing Quartz.

Advice on the Quartz content and other chemical information is available from the supplying unit.

## 4 First Aid Measures

### Summary of First Aid Procedures

#### Inhalation

Immediately remove to fresh air. If breathing is stopped or irregular, apply artificial respiration and seek medical attention.

#### Skin Contact

Wash with water. Prolonged contact may cause irritation.

#### Eye Contact

Immediately and thoroughly irrigate with water. The material is abrasive and may scratch the surface of the eye. If pain persists seek medical attention.

#### Ingestion

Remove to fresh air and give water to drink. Seek medical advice.

## 5 Fire Fighting Measures

### Suitable Extinguishing Media

Not applicable.

### Unsuitable Extinguishing Media

Not applicable.

### Special Exposure Hazards in Fire

None.

### Special Protective Equipment for Fire Fighters

None.

## 6 Accidental Release Measures

### Personal Precautions

Avoid breathing in dust.

### Environmental Precautions

Entry into watercourses should be avoided.

### Methods for Cleaning

Spray with water to prevent airborne dust.

Avoid dry sweeping which creates dust.

## 7 Handling and Storage

### Handling

The product should be handled to minimise the creation of airborne dust.

### Storage

No special requirements.

## 8 Exposure Controls / Personal Protection

### Take Measures to Prevent

Inhalation of dust from aggregates should be avoided.

### Exposure Control Limits / Source

Total Dust: W.E.L. 10mg/m<sup>3</sup>  
8 Hours T.W.A.

Respirable Dust: W.E.L. 4mg/m<sup>3</sup>  
8 hours T.W.A.

Respirable Quartz:  
Crystalline Silica SiO<sub>2</sub> W.E.L. 0.1mg/m<sup>3</sup>  
8 Hours T.W.A.

W.E.L. = Workplace Exposure Limit  
T.W.A. = Time Weighted Average

### Respiratory Protection

Suitable dust masks should be worn in enclosed spaces where the handling or further crushing of dry aggregates is taking place and where adequate ventilation is not provided.

### Hand Protection

Gloves.

### Eye Protection

Goggles may be required.

### Skin Protection

Overalls.

**9 Physical and Chemical Properties**

<b>Appearance</b>	Granular solid
<b>Odour</b>	None
<b>pH</b>	Various
<b>Boiling Point / Range</b>	Not determined
<b>Melting Point / Range</b>	Not determined
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Auto Flammability</b>	Not applicable
<b>Explosive Properties</b>	Not applicable
<b>Oxidising Properties</b>	Not determined
<b>Vapour Pressure</b>	Not applicable
<b>Relative Density</b>	Above 2.0
<b>Water Solubility</b>	Dependent on rock type
<b>Fat Solubility</b>	Not determined

**10 Stability and Reactivity****Conditions to Avoid**

None.

**Materials to Avoid**

Acids (for aggregates containing CaCO<sub>3</sub> & MgCO<sub>3</sub>)

**Hazardous Decomposition Products**

Limestone aggregates may react with acid groundwater to release carbon dioxide gas, which may build up in confined spaces to hazardous concentrations.

**11 Toxicological Information**

If inhaled in excessive quantities over a prolonged period or extended period, respirable dust can constitute a long term health hazard.

**12 Ecological Information****Environmental Assessment**

When used and disposed of as intended, no adverse environmental effects are foreseen.

**Mobility**

Aggregates are non volatile materials that will sink in water and form a solid layer on the surface of the ground.

**Persistence and Degradability**

Aggregates are resistant to degradation and will persist in the environment.

**Ecotoxicity**

Not expected to be toxic to aquatic organisms.

**13 Disposal Consideration****Likely Residues / Waste Product**

None.

**Safe Handling of Residues / Waste Product**

Aggregates are inert but should be disposed of in accordance with local and national legal requirements. See the Environmental Protection Act 1990 "Duty of Care".

**14 Transport Information****Special Carriage Requirements**

None - open vehicles may require to be sheeted to avoid dust nuisance.

**15 Regulatory Information**

This product is NOT classified as dangerous for transport.

**16 Other Information****Training Advice**

Wear and use of PPE.

**Recommended Uses and Applications**

Industrial and construction applications.

**Further Information**

The Safety, Health & Environmental Manager  
Tarmac Limited  
Telephone: (01902) 353522

**Key Data Used to Compile Data Sheet**

HSE Guidance Note EH40/2007  
PPE Regulations 1992  
COSHH Regulations 2002  
Environmental Protection Act 1990  
HSE Crystalline Silica EH59

If you have purchased this product for supply to a third party for use at work, it is your duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and any of the precautions which should be taken.

Further copies of this Safety Data Sheet may be obtained from Tarmac Limited.