

SAFETY DATA SHEET

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Tarmac 

1 Identification of Substance & Company

RECYCLED AGGREGATES - SOIL

Company

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2 Composition / Information on Ingredients

Soils commonly consist of naturally occurring deposits forming part of the earth's crust, but the term is also applied to made ground consisting of replaced natural soil or man-made materials exhibiting similar behaviour, eg. crushed rock, crushed blastfurnace slag, fly ash etc. Soils are usually of mineral origin but may also be of organic origin.

Re-cycled soils can be a mixture of different mineral aggregates, concrete, asphalt, sand, brick and naturally occurring soil 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.

Advice on the quartz content of the dust produced from individual aggregates 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/m³
8 Hours T.W.A.

Respirable Dust: W.E.L. 4mg/m³
8 hours T.W.A.

Respirable Quartz:
Crystalline Silica SiO₂ W.E.L. 0.1mg/m³
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

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

10 Stability and Reactivity**Conditions to Avoid**

None.

Materials to Avoid

Acids (for soils containing CaCO₃ & MgCO₃)

Hazardous Decomposition Products

Soils containing 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

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

Persistence and Degradability

Soils 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

Soils 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.