

SAFETY DATA SHEET

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1 Identification of Substance & Company

MASTERTINT

Company

Tarmac Limited
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2 Composition / Information on Ingredients

Mastertint is a mixture of aggregates and a synthetic binder. If fibres are included they will not exceed 10% of the mixture and are fully bound within it and are not considered to be available.

For further details of the specification refer to the relevant Technical Data Sheet.

3 Hazards Identification

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

The main hazards presented by Mastertint depends on the temperature of the material.

The following hazards may apply:

- Hot materials may burn the skin.
- Fumes from Mastertint are unlikely to be hazardous when laid in open air situations, but there may be a risk to health by continuous inhalation of high vapour concentrations which might arise in confined or semi-confined spaces. Excessive fumes and an acrid odour may be apparent at normal operating temperatures but will be especially noticeable if the material is overheated.

4 First Aid Measures

Summary of First Aid Procedures

Inhalation

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

Skin Contact

Burns caused by contact with hot material should be cooled by immediately drenching with cold water. The bitumen may then be removed under medical supervision with warm medicinal paraffin.

Eye Contact

Irrigate with water for at least ten minutes. 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

Dry powder, foam.

Unsuitable Extinguishing Media

CO₂

Special Exposure Hazards in Fire

Hydrocarbon fumes may be released.

Special Protective Equipment for Fire Fighters

Full protective clothing including suitable respirator or breathing apparatus.

6 Accidental Release Measures

Personal Precautions

Ensure the temperature of the Asphalt does not present a Safety Hazard.

Wear overalls and gloves.

Environmental Precautions

Entry into watercourses should be avoided.

Methods for Cleaning

No special requirements.

7 Handling and Storage

Handling

Skin contact with hot materials should be avoided. Inhalation of fumes should be avoided as far as is reasonably practicable.

Excessive exposure to fumes / odour may cause nausea.

Storage

No special requirements.

Refer to the relevant Technical Data Sheet for the specific product.

8 Exposure Controls / Personal Protection**Take Measures to Prevent**

- (a) Inhalation of dust.
- (b) Inhalation of excessive quantities of dust during cutting or surface treatment of hardened asphalt.

Exposure Control Limits / Source

(a) Asphalt Fumes - W.E.L.	5mg/m ³	8 Hours T.W.A.
	10mg/m ³	15 Min. T.W.A.
(b) Total Dust - W.E.L.	10mg/m ³	8 Hours T.W.A.
Respirable Dust - W.E.L.	4mg/m ³	8 Hours T.W.A.
Respirable Quartz - W.E.L.	0.3mg/m ³	8 Hours T.W.A.*
Crystalline Silica SiO ₂		

W.E.L. = Workplace Exposure Limit

T.W.A. = Time Weighted Average

* HSC/E plans to revise limit value for this substance.

Respiratory Protection

Suitable masks if dust / fume is present in significant quantities.

Hand Protection

Gloves.

Eye Protection

Goggles may be required.

Skin Protection

Overalls.

9 Physical and Chemical Properties

Appearance	Pigmented or natural aggregate colour granular solid
Odour	Strong
pH	Neutral
Boiling Point / Range	Not applicable
Melting Point / Range	Not applicable
Flash Point (°C)	Above 200°C
Flammability	Not determined
Auto Flammability	Above 200°C
Explosive Properties	Not determined
Oxidising Properties	Not determined
Vapour Pressure	Not applicable
Relative Density	Above 2.0
Water Solubility	Insoluble
Fat Solubility	Not determined

10 Stability and Reactivity**Conditions to Avoid**

Sources of ignition and temperatures above 200°C

Materials to Avoid

Strong oxidising agents, e.g. chlorates which may be used in agriculture.

Hazardous Decomposition Products

The substances arising from the thermal decomposition of the synthetic binder in Mastertint will largely depend on the particular conditions but may contain the following:

Carbon Dioxide, Carbon Monoxide, Water, Particulate Matter, Polycyclic Aromatic Hydrocarbons, Unburnt Hydrocarbons, Nitrogen Oxides.

11 Toxicological Information

Fumes inhaled over a prolonged period could constitute a health hazard. Prolonged skin contact may cause dermatitis and malignant warts.

12 Ecological Information**Environmental Assessment**

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

Mobility

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

Persistence and Degradability

Mastertint is resistant to degradation and will persist in the environment for a considerable period of time.

Ecotoxicity

Not expected to be toxic to aquatic organisms when used as intended.

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

Mastertint is an inert material.

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 - keep covered.

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.

Emergency Contact

The Technical Centre
Telephone: (01902) 382628, or:
The Safety, Health & Environmental Manager
Tarmac Limited
Telephone: (01902) 353522

Key Data Used to Compile Data Sheet

HSE Guidance Note EH40/2005
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.