



Revision Date: 20/04/2015

Revision Number: 0

Material/Trade Name: Bituminous Road Materials

1 – Identification of Substance/Mixture and of the Company/Undertaking

Material/Trade Name : Bituminous Road Materials
Material type : Road Surfacing, Resurfacing and Top dressing Material

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2 – Hazards Identification

Classification of the substance or mixture

Not classified as hazardous according to Regulation (EC) No.1272/2008

This product may contain low levels of respirable crystalline silica within the aggregates present in the material but the bituminous binder will prevent these from being an inhalation hazard.

3 – Composition/Information on Ingredients

A blended material containing aggregate, filler, sand, performance additives and a viscous bituminous binder.

4 - First-aid Measures

Inhalation:

Product at ambient temperatures will not cause an inhalation risk.

Eyes

If particles cause mechanical eye irritation irrigate with water. Take care not to wash debris from one eye to another. Get medical attention if irritation persists.

Skin

In case of exposure remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. If irritation persists, obtain prompt medical attention.

Ingestion

Ingestion of significant quantities of material 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.

5 - Fire-fighting Measures

Suitable Extinguishers

Use media such as alcohol/aqueous foam, dry chemical, or carbon dioxide or water fog.

Unsuitable Extinguishers

Direct water jets.

Hazardous Decomposition

May produce small amounts of toxic fumes and combustion products if involved in a fire.

Special Procedures/information for firefighters

Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Use water spray to cool containers. Prevent runoff from fire control from entering waterways. Large fires should only be dealt with by trained personnel.

Revision Date: 20/04/2015

Revision Number: 0

Material/Trade Name: Bituminous Road Materials

6 - Accidental Release Measures

Personal Protection and Precautions

Use suitable personal protective equipment (refer to Section 8 for details).

Environmental Precautions

Entry into watercourses should be avoided.

Containment, Cleaning up and Disposal Considerations

Scoop up and place in container to await transfer

Recycle and reuse material where possible.

Refer to Section 13 for further information regarding disposal.

7 - Handling and Storage

Handling

Avoid contact with skin.

Storage

No Specific requirements.

8 - Exposure Controls/Personal Protection

Occupational Exposure Limits: 0.1mg/m³ 8hrTWA WEL Respirable silica
5mg/m³ 8hrTWA, 10mg/m³ STEL WEL Asphalt fume

Respiratory Protection

No respiratory protection required for handling and using material at ambient temperatures.

Hand Protection

Wear heavy duty impervious Nitrile, Polythene, PVC or PVA gloves to Standard EN 374.

Eye Protection

Wear suitable eye protection such as safety glasses or goggles to Standard BS EN 166 if eye contact likely.

Skin Protection

Wear suitable overalls or apron and change if contaminated. After contact with skin wash off immediately. Wash hands before breaks and immediately after using the product.

9 - Physical & Chemical Properties

Appearance	: Black bituminous solid	Oxidising properties	: None
Odour	: Bitumen	Vapour pressure	: n/e
pH	: n/e	Relative density	: n/e
Boiling point/range	: n/e	Solubility	: Insoluble in water
Melting point/range	: n/e	Partition Coefficient	: n/e
Flash point	: n/e	Vapour Density	: n/e
Flammability	: NON-FLAMMABLE	Viscosity	: n/e
Autoflammability	: n/e	Evaporation rate	: n/e
Explosive properties	: n/e		

(n/e = not established)

10 - Stability and Reactivity

Chemical Stability

Stable

Conditions to Avoid

None

Materials to Avoid

Strong mineral acids and strong oxidising agents.

Hazardous Decomposition Products

No hazardous decomposition products when stored and handled correctly.



Revision Date: 20/04/2015

Revision Number: 0

Material/Trade Name: Bituminous Road Materials

11 - Toxicological Information

Acute toxicity

None

Skin corrosion/irritation

Excessive contact may cause skin lesions, warts and other irreversible non tumerogenic effects.

Serious eye damage/eye irritation

Contact particles may cause transient mechanical irritation

Respiratory or skin sensitisation

None

Germ cell mutagenicity

None

Carcinogenicity

Although respirable silica is classified as a Group 1 carcinogen the potential for hazardous exposure in this product is negligible as the respirable silica is not available in a free form.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

Unlikely to enter airways if swallowed.

Potential health effects

Inhalation. Inhalation of fumes from heated material may cause transient respiratory irritation. Chronic inhalation of large amounts of heated bitumen fumes silica may cause irreversible effects. Will not pose a realistic inhalation hazard at ambient temperatures.

Ingestion. May be harmful if swallowed and can cause severe nausea and gastric pain.

Skin Mild transient irritation and possible dermatitis.

Eyes Mild transient irritation.

Signs and Symptoms of Exposure

Contact with skin may cause skin irritation and possible dermatitis. Chronic skin exposure may cause warts and other irreversible skin effects.

12 - Ecological Information

Toxicity

Bituminous binder may be hazardous to the aquatic environment.

Persistence and degradability

Persistent

Bioaccumulative potential

None

Mobility in soil

Immobile.

PBT and vPvB assessment

None.

Other adverse effects

Avoid release to the environment. Do not empty into drains.

13 -Disposal Considerations

Product

Material is not classified as hazardous waste under the Hazardous Waste Regulations 2005. Follow supplier's instructions regarding safe methods of disposal. Do not discharge into drains or watercourses without prior approval.

Contaminated packaging

Dispose of as unused product.

14 -Transport Information

ADR/RID

Not Classified as hazardous for transport

IMDG

Not Classified as hazardous for transport

Marine pollutant: No

IATA

Not Classified as hazardous for transport



Revision Date: 20/04/2015

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15 - Regulatory Information

Label Elements

No statutory safety labels are required for this material in accordance with the provisions of EC/1907/2006 or EC/1272/2008

Other Regulations

Health & Safety at Work etc. Act 1974
Control of Substances Hazardous to Health Regulations 2002 (as amended)
Classification, Labelling and Packaging of Substances and Mixtures Regulations 2008 (as amended)
EH40/2005 Workplace Exposure Limits (as amended)
Environmental Protection Act 1990
Hazardous Waste Regulations 2005 (as amended)

16 - Other Information

Text of H-code(s) mentioned in Section 3

None

Recommended restrictions on use

Use in accordance with supplier/manufacturer's instructions.

Revision History

First issue of Safety Data Sheet for this material.

Further Information

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for people working with or handling these products. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by FM Conway Limited (FM Conway). However, FM Conway makes no guarantee or warranty, express or implied, with respect to such information and we assume no liability resulting from its use. The information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is the responsibility of the user to undertake a suitable risk assessment/COSHH assessment prior to using this material.