

Substance/Preparation	First Aid Measures
Substance Name: Asphalt	<u>Inhalation</u> Immediately remove to fresh air. If breathing is stopped or irregular, apply artificial respiration, give heart massage if necessary and seek medical attention.
Company/Undertaking	<u>Skin Contact</u> Burns caused by contact with hot material should be cooled by immediately drenching with cold water. The bitumen may than be removed under medical supervision with warm medicinal paraffin. <u>Eye Contact</u> Irrigate with water for at least ten minutes. If pain persists seek medical attention. <u>Ingestion</u> Remove to fresh air and give water to drink. Seek medical advice.
Breedon Southern Limited Breedon Quarry Breedon on the Hill Derby DE73 8AP Telephone: 01332 694010 Fax: 01332 863149 Breedon Northern Limited Ethiebeaton Quarry Kingennie Monifieth Angus DD5 3RB Telephone: 01382 537600 Fax: 01382 537619 Web: www.breedongroup.com Email:enquiries@breedongroup.com	
Composition/Ingredients	
Asphalts are mixtures of aggregates and bitumen. Bitumen is a hydrocarbon derived from the distillation of petroleum crude oil. Asphalts containing additives are out of the scope of this date sheet. For further details of the specification refer to the relevant Technical Data Sheet.	Fire Fighting Measures <u>Suitable Extinguishing Media</u> Dry Powder, foam. <u>Unsuitable Extinguishing Media</u> CO2. <u>Special Exposure Hazards in Fire</u> Hydrocarbon fumes may be released. <u>Special Protective Equipment for Fire Fighters</u> Full protective clothing including suitable respirator or breathing apparatus.
Hazards Identification	Accidental Release Measures
These products are NOT classified as hazardous in accordance with the CHIP regulations (SI 3247:1994). The main hazards presented by Asphalt depend on the temperature of the material. The following hazards may apply: <ul style="list-style-type: none"> - Hot materials may burn skin. - Fumes from Asphalt are unlikely to be hazardous when laid in open air situations, but there may a risk to health by continuous inhalation of high vapour concentrations which might arise in confined or semi-confined spaces. 	<u>Personal Precautions</u> Ensure the temperature of the Asphalt does not present a Safety Hazard. Wear overalls and gloves. <u>Environmental Precautions</u> Entry into watercourses should be avoided. <u>Methods for Cleaning</u> No special requirements.

Handling/Storage	Physical and Chemical Properties	
<p><u>Handling</u> Skin contact with hot material should be avoided. Inhalation of fumes should be avoided as far as is reasonably practicable.</p> <p><u>Storage</u> No special requirements. Refer to the relevant Technical Data Sheet for the specific product.</p>	<p>Appearance Odour PH Boiling Point/Range Melting Point/Range Flash Point (0c) Flammability Auto Flammability Explosive Properties Oxidising Properties Vapour Pressure Relative Density Water Solubility Fat Solubility</p>	<p>Black, granular solid Strong Neutral Not Applicable Not Applicable Above 200c Not Determined Above 230c Not Determined Not Determined Not Applicable Above 2.0 Insoluble Not Determined</p>
Exposure Controls	Stability and Reactivity	
<p><u>Take Measures to Prevent</u> (a) Inhalation of dust. (b) Inhalation of excessive quantities of dust during cutting or surface treatment of hardened asphalt.</p> <p><u>Workplace Exposure Limits</u> (a) Asphalt Fumes – 5mg/m³ 8 hours T.W.A 10mg/m³ 15 min T.W.A (b) Total Dust: 10mg/m³ 8 hours T.W.A Respirable Dust: 4mg/m³ 8 hours T.W.A Respirable Quartz: 0.1mg/m³ 8 hours T.W.A</p> <p>T.W.A = Time Weighted Average</p>	<p><u>Conditions to avoid</u> Sources of ignition and temperature above 200c.</p> <p><u>Materials to avoid</u> Strong oxidising agents, e.g. chlorates which may be used in agriculture.</p> <p><u>Hazardous Decomposition Products</u> The substances arising from the thermal decomposition of the bitumen binder in Asphalt will largely depend on the particular conditions but may contain the following:</p> <p>Carbon Dioxide, Carbon Monoxide, Water, Particulate Matter, Hydrogen Sulphide, Sulphur Oxides, Polycyclic Aromatic Hydrocarbons, Unburnt Hydrocarbons, Nitrogen Oxides, Vanadium Pentoxide.</p>	
Personal Protection	Toxicological Information	
<p><u>Respiratory Protection</u> Suitable masks if dust / fume is present in significant quantities.</p> <p><u>Hand Protection</u> Gloves.</p> <p><u>Skin Protection</u> Overalls.</p> <p><u>Eye Protection</u> Goggles may be required.</p>	<p>Fumes inhaled over a prolonged period could constitute a health hazard. Prolonged skin contact may cause dermatitis and malignant warts.</p>	
Ecological Information	Transport Information	
<p><u>Environmental Assessment</u> When used and disposed of as intended, no adverse environmental effects are foreseen.</p> <p><u>Mobility</u> Asphalts are non-volatile materials that will sink in water and form a solid layer on the surface of the ground.</p>	<p><u>Special Carriage Requirements</u> None – keep covered.</p>	



<p><u>Persistence and Degradability</u> Asphalts are resistant to degradation and will persist in the environment for a considerable period of time.</p> <p><u>Ecotoxicity</u> Not expected to be toxic to aquatic organisms.</p>	
<p>Disposal</p>	<p>Other Information</p>
<p><u>Likely Residues/Waste Product</u> Asphalt is an inert material.</p> <p><u>Safe Handling of Residues/Waste Product</u> 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'.</p>	<p><u>Training Advice</u> Wear and use of PPE.</p> <p><u>Recommended Uses and Applications</u> Industrial and construction applications.</p> <p><u>Further Information</u> Head of Safety, Health and Environment Breedon Southern Limited Telephone (01332) 694010</p> <p>Key data used to compile data sheet HSE Guidance Note EH40/2011 PPE Regulations 1992 COSHH Regulations 2002 (sixth edition) 2013 Environment Protection Act 1990 HSE Crystalline Silica EH59</p> <p>Further copies of this Safety Data Sheet may be obtained from either Breedon Southern Limited or Breedon Northern Limited.</p>
<p>Regulatory Information</p>	<p>Legal Notice</p>
<p>This product is NOT classified as dangerous for transport.</p>	<p>The information in this Safety Data Sheet was believed to be correct at the time of issue. However, no warranty is made or implied as to the accuracy or completeness of this information.</p> <p>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.</p> <p>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.</p> <p>This Safety Data Sheet does not constitute the user's own assessment of workplace risk, and it is the user's sole responsibility to take all necessary precautions when using this product.</p>