

COSHH ASSESSMENT BITUMEN MACADAM

FORM

Product Name(s):	Bitumen Macadam	COSHH Assess. No.:	02
Description of Substance:	Bitumen (mixture of hydrocarbons formed from crude oil) coated aggregates	Assessed By:	
Workplace Exposure Limits:	Asphalt/petroleum fumes 10mg/m ³ (15 min STEL) Asphalt/petroleum fumes 5mg/m ³ (8 hr TWA)	Date:	
Task/Activity:	Construction of roads, footpaths and driveways		
Suppliers Name & Address:		Telephone/ Fax No's:	
		MSDS Attached:	Yes / No

SUBSTANCE PROPERTIES

							
Flammable/ Highly Flammable	Oxidiser	Explosive	Harmful	Toxic/ Very Toxic	Irritant	Dangerous to the Environment	Corrosive
Yes	No	No	Yes	No	Yes	Yes	No









ROUTE OF EXPOSURE

Skin	X	Eyes	X	Inhalation	X
Ingestion		Cuts/ Abrasions		Injection	

PERSONS AT RISK

Users of the product	X	Members of Public		Visitors	
Other Workers		Young Persons			

PPE REQUIREMENTS

							
Yes	Yes	Yes	No	Yes	No	Yes	Other

ADDITIONAL CONTROL MEASURES

General Precautions	Control Measures
<ul style="list-style-type: none"> ➤ Ensure that the above specified PPE is worn and that all staff are informed of the risks; control measures and precautions required when working with the substance. 	<ul style="list-style-type: none"> ➤ Ensure that adequate supervision is provided at all times. ➤ Boots, overalls and gloves etc should be heat resistant.

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First Aid/Hygiene Arrangements	Fire Precautions
<ul style="list-style-type: none"> ➤ Wash skin thoroughly with soap and clean water ➤ If contact is made with the eye, immediately flood the eye with plenty of clean water for at least 10 minutes and seek immediate medical attention. ➤ If inhalation or ingestion occurs, seek immediate medical attention. ➤ Wash out the mouth with clean water where appropriate. 	<ul style="list-style-type: none"> ➤ No smoking to be permitted in the vicinity of the works. ➤ No hot works to be allowed in the vicinity of the works. ➤ Dry powder or foam extinguishers should be used on bitumen fires.

LEV Requirements	Monitoring Requirements
<ul style="list-style-type: none"> ➤ Ensure that the work area is well ventilated at all times. 	<ul style="list-style-type: none"> ➤ Consider additional monitoring if this product is to be used within a confined space. ➤ Provide additional monitoring where young or inexperienced workers are carrying out the works.

Transport Arrangements	Storage Requirements
<ul style="list-style-type: none"> ➤ No special requirements for small quantities 	<ul style="list-style-type: none"> ➤ Store in a dry, well ventilated and secure store. ➤ Protect from extremes of temperature.

Spillage Procedures	Disposal Requirements
<ul style="list-style-type: none"> ➤ Spillages should be cleaned up using a brush and shovel, whilst avoiding excessive dust creation. ➤ The material should then be placed into a suitable container for disposal. 	<ul style="list-style-type: none"> ➤ Dispose of waste containers etc as normal builders waste via a licensed waste contractor.

Comments
<p>This is only a preliminary assessment based on generic information for similar products.</p> <p>This assessment must be reviewed and amended by a competent person prior to its contents being used. This is to ensure that consideration is given to site specific circumstances or differences which may affect the original assessment. It is the employers responsibility to ensure that a suitable and sufficient assessment of the risks is undertaken when using any material which may be hazardous to health.</p> <p>An up to date Material Safety Data Sheet (MSDS) should be obtained from the supplier and reviewed alongside this assessment to ensure that the control measures are suitable and remain valid.</p>