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| **Company Name:**  Site: | |  | **COSHH**  **Assessment** | |
|  |  |  |  |  |
| Supplier: | Tarmac | | COSHH Number | 12 |
|  |  | | | page 1 |
| Assessment By: | Activity: | | Review Date | Assessment Date |
|  |  | |  |  |
|  | Persons/Groups at Risk | |  |  |
|  | Operatives | |  |  |

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| **NAME OF HAZARDOUS SUBSTANCE USED OR CREATED** |
| **Substance: Asphalt** |

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| Flammable | |  | Oxidising | |  |  | |  | http://www.hse.gov.uk/chemical-classification/images/pictogram-gallery/irritant.gif | |  | Health hazard | |  | Corrosive | | |
| **FLAMMABLE** | |  | **OXIDISING** | |  | **EXPLOSIVE** | |  | **IRRITANT** | |  | **HARMFUL** | |  | **CORROSIVE** | | |
| **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | NO | |
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| Insert ✓ in appropriate boxes | | | | | | | | | | | | | | | | | |
|  | |  | Toxic | |  |  | |  |  | |  |  | |  |  | | |
| **COMPRESSED GAS** | |  | **TOXIC** | |  | **HARMFUL TO THE EINVIRONMENT** | |  |  | |  |  | |  |  | | |
| **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | NO | |
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| Insert ✓ in appropriate boxes | | | | | | | | | | | | | | | | | |

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| Please add comments into boxes where required. | | Insert ✓ in appropriate boxes | | **YES** | **NO** | |
| Is Manufacturers Safety Data Sheet available? | | |  | ✓ |  | |
| Does the Substance have a Workplace Exposure Limit (WEL)? | | |  | ✓ |  | |
| If the substance has a WEL please state. if un-sure check HSE document – EH40 | | | **Asphalt Fume**  5mg.m-3 per 8 hours  10mg/m3 per 15min  **Total Dust**  10mg/m3 per 8 hrs  **Respirable Dust**  4mg/m3 per 8 hrs  **Respirable Quartz - (Crystalline Silica\* SiO2)**  0.1mg/m3 per 8 hr | ✓ |  | |
| Can a safer substance be used or can the substance be enclosed or extracted. | | |  | ✓ |  | |
| Will employees be given information and training? | | |  |  | ✓ | |
| Will Personal Protective Equipment be provided for employees? | | |  | | | |
| State the standard of RPE (respirators) | | |  |  | ✓ | |
| State the standard of Goggles or Spectacles | | |  |  | ✓ | |
| State the standard of Gloves | | | Impervious, heat resistant gloves/gauntlets | ✓ |  | |
| State the standard of Overalls | | | Long sleeves to be worn | ✓ |  | |
| State the standard of Boots | | | BS EN345 | ✓ |  | |
| Other Equipment | | | Attach details if YES |  | ✓ | |
| Will Exposure Monitoring and/or Control Measures be required? | | | Attach details if YES |  | ✓ | |
| Will Health Surveillance be necessary? | | | Attach details if YES |  | ✓ | |
| Does this Substance need to be disposed of by a Waste Disposal Contractor? | | | | ✓ |  | |
| Have all necessary First-aid requirements been provided? | | |  | ✓ |  | |
| Have Storage requirements for the substance been provided/arranged on site? | | |  | ✓ |  | |
| **FIRST AID, FIRE FIGHTING, STORAGE & HANDLING, DISPOSAL AND ACCIDENTAL RELEASE INSTRUCTIONS ARE PROVIDED ON PAGES 2 & 3** | | | **Number of Sheets attached to this Assessment** | | |  |
| FIRST AID INSTRUCTIONS | | | | | | |
| **Route of Exposure, or**  **Type of Injury** | **First Aid Treatment** | | | | | |
| Skin Contact | All bitumen burns should receive prompt medical attention. The affected area should be placed in cold running water until the ambulance arrives. No attempt should be made to remove adhering bitumen unless this is essential to allow breathing. | | | | | |
| Eye Contact | The affected area should be irrigated immediately with cold running water or sterile eye wash and medical attention sought. | | | | | |
| Inhalation | Remove the affected person to fresh air. If breathing has stopped, start resuscitation. If the person is breathing, but unconscious, place in the recovery position. Obtain medical assistance immediately. | | | | | |
| Ingestion | Ingestion is highly unlikely in normal circumstances | | | | | |
| General Information | Asphalt materials are a mixture of coarse and/or fine aggregates bound together with bitumen. The bitumen is typically of penetration grade, and may be modified by chemical polymers or fluxing oil. Asphalt materials will typically contain 3-7% of bitumen by mass.  Natural aggregates contain a combination of various minerals including silica. | | | | | |

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| **FIRE FIGHTING MEASURES** | |
| **Hazard** | **Measures** |
| Fire | Dry powder or foam extinguishers should be used on bitumen fires.  Water extinguishers should not be used since these will make the situation worse. |
| Stability | Conditions contributing to chemical instability: None |
| Decomposition Products | None |

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| **MANUFACTURERS INFORMATION** | |
| **Manufacturers Name and Address** | Tarmac Limited Portland House Bickenhill Lane Solihull Birmingham B37 7BQ  Tel: 0800 1 218 218 |
| **Manufacturers Health & Safety Data Sheet Reference** | N/A |
| **24 Hour Emergency Telephone Number** | 0800 1 218 218 (OFFICE HOURS) |
| **Regulatory Information: Warning Label Phrases** | **Classification: Not classified as dangerous. However, consideration of the following risk & safety phrases is recommended.**  H319 – Eye irritant  H314 Corrosive to skin  H317 – May cause skin irritation  H335 – May cause respiratory irritation  H372 – Causes damage to organs through prolonged or repeated exposure (relates possible lung damage if exposed to respirable silica\* that may be released if hardened asphalt is cut, drilled, milled or planed.)  P261 – Avoid breathing dust/fume/vapours.  P271 – Use only outdoors or in a well-ventilated area. P281 – Use personal protective equipment |

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| **STORAGE AND HANDLING** | |
| **Hazard** | **Measures** |
| Handling | Skin contact with the product should be avoided. Inhalation of fumes should be avoided as far as is reasonably practicable. If the formation of vapours is a risk, then additional ventilation should be provided. Handle away from sources of ignition and heat. Do not smoke, eat or drink during use |
| Storage | No special requirements. Asphalt is normally used upon receipt. Refer to the relevant Technical Data Sheet for the specific product. |

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| DISPOSAL MEASURES | |
| **Hazard** | Measures |
| Pollution of water courses or drains | Asphalts are not classified as hazardous for disposal. Local Authority  requirements should be observed. Keep out of reach of children. |

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| ACCIDENTAL RELEASE MEASURES | |
| **Hazard** | Measures |
| Spillage | In the event of a spillage avoid skin contact. Scrape up bulk material and dispose of according to regulatory restrictions.  6.3 Environmental Measures: Bitumen oil is harmful to aquatic life. Avoid contamination  of ponds, water courses, ditches and drains |

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| USAGE/EXPOSURE | |
| **Frequency and Duration of use** |  |
| **Maximum number of people involved in activity** |  |
| **Quantities stored/used** |  |
| **Exposure levels** |  |

**Safe System of Work**

1. Ensure the specified PPE is worn at all times when handling hot asphalt products

2. RPE should not normally be required as product is used out doors, which will provide adequate ventilation.

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**Operatives Acknowledgement**

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| **Name:** | **Signature:** | **Date:** | **Name:** | **Signature:** | **Date:** |
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