

Safety Data Sheet

Paro-Melt® Hot Melt Compound

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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|-----|---|--|--|
| 1.1 | Trade name: | Paro-Melt® Hot Melt Compound | |
| 1.2 | Use of the substance/mixture: | Construction Material | |
| 1.3 | Details of the supplier of the safety data sheet: | Moy Materials Ltd. Columbia Mills, 14/15 Sir John Rogerson's Quay, Dublin 2, D02 E409 Ireland | |
| 1.4 | Emergency (OEM) telephone: | +44 (0) 1473 724056 (8.00 am to 5.30 pm Monday to Friday). In the event of a medical enquiry relating to this product, please call your doctor or local hospital accident and emergency department. | |

SECTION 2: HAZARD IDENTIFICATION

| | | | |
|-----|--|---|--|
| 2.1 | Classification of the substance or mixture | | |
| | Regulation (EC) No. 1272/2008 | This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008. | |
| | Additional information | None. | |
| 2.2 | Label Elements | Not applicable. | |
| 2.3 | Other hazards | No information available. | |

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| | | | |
|-----|----------------------------|---|--|
| 3.1 | Mixtures | | |
| | Chemical characterization: | Mixture of bitumen, polymers, organic and inorganic components. | |

SECTION 4: FIRST AID MEASURES

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| 4.1 | Description of first aid measures | | |
| | General information: | Burns caused by molten material must be treated clinically. | |
| | After inhalation: | Provide fresh air. | |
| | After contact with skin: | Wash with plenty of water. Take off contaminated clothing and wash it before re-use. | |
| | | After contact with skin, wash immediately with plenty of water and soap. | |
| | After contact with eyes: | Rinse immediately carefully and thoroughly with eye-bath or water. After contact with eyes, rinse with water with the eyelids open for 10-15 minutes, then consult an ophthalmologist immediately. | |
| | After ingestion: | Rinse mouth immediately and drink plenty of water. | |
| 4.2 | Most important symptoms and effects, both acute and delayed | No information available. | |
| 4.3 | Indication of any immediate medical attention and special treatment needed | Treat symptomatically. | |

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SECTION 5: FIREFIGHTING MEASURES

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| 5.1 | Extinguishing media | | |
| | Suitable extinguishing media | Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water. Sand. | |
| | Unsuitable extinguishing media | Full water jet | |
| 5.2 | Special hazards arising from the substance or mixture | Burning produces heavy smoke/toxic fumes. | |
| 5.3 | Advice for firefighters | In case of fire: Wear self-contained breathing apparatus. | |

SECTION 6: ACCIDENTAL RELEASE MEASURES

| | | | |
|-----|--|--|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Personal protection equipment | |
| 6.2 | Environmental precautions | Do not allow to enter into surface water or drains. No special environmental measures are necessary. | |
| 6.3 | Methods and material for containment and cleaning up | Allow stiffening. Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. | |
| 6.4 | Reference to other sections | | |
| | Safe handling - | see section 7 | |
| | Personal protection equipment - | see section 8 | |
| | Disposal - | see section 13. | |




SECTION 7: HANDLING AND STORAGE

| | | | |
|-----|---|---|--|
| 7.1 | Precautions for safe handling | | |
| | Advice on safe handling | No special measures are necessary. | |
| | Advice on protection against fire and explosion | No special fire protection measures are necessary | |
| 7.2 | Conditions for safe storage, including any compatibilities | | |
| | Requirements for storage rooms and vessels | Keep container tightly closed. | |
| | Hints on joint storage | No special measures are necessary. | |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| 8.1 | Control parameters | | | | | | | | | | | | | | | | |
|-----------|---|--|-----------|-----------|---------------------------|-----------|----------|--------|-----------|--------------------------|--|---------|--|---------------------------|---------|--|--|
| | Control parameters | | | | | | | | | | | | | | | | |
| | Exposure limits (EH40) | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>CAS-No</th> <th>Substance</th> <th>ppm</th> <th>mg/m3</th> <th>fibres/ml</th> <th>Category</th> <th>Origin</th> </tr> </thead> <tbody> <tr> <td>8052-42-4</td> <td>Asphalt, petroleum fumes</td> <td></td> <td>5 10</td> <td></td> <td>TWA (8h) STEL (15 min)</td> <td>WEL WEL</td> </tr> </tbody> </table> | CAS-No | Substance | ppm | mg/m3 | fibres/ml | Category | Origin | 8052-42-4 | Asphalt, petroleum fumes | | 5 10 | | TWA (8h) STEL (15 min) | WEL WEL | | |
| CAS-No | Substance | ppm | mg/m3 | fibres/ml | Category | Origin | | | | | | | | | | | |
| 8052-42-4 | Asphalt, petroleum fumes | | 5 10 | | TWA (8h) STEL (15 min) | WEL WEL | | | | | | | | | | | |
| 8.2 | Exposure controls: | Technical measures and the use of suitable working technique, given in section 7, should be favoured over the use of personal protective | | | | | | | | | | | | | | | |

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| | | equipment. | |
| Personal protective equipment | | | |
|    | | | |
| Protective and hygiene measures | | Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. | |
| Eye/face protection: | | Wear eye protection / face protection. | |
| Hand protection: | | When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. | |
| Skin protection: | | Use of protective clothing. | |
| Respiratory protection: | | In case of inadequate ventilation, wear respiratory protection. | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|------------|--|--|--|
| 9.1 | Information on basic physical and chemical properties | | |
| | Appearance: | | |
| | Physical state: | Solid | |
| | Colour: | Black | |
| | Odour: | Bitumen like | |
| | Safety related data | | |
| | pH-Value: | | |
| | Melting point: | Not determined | |
| | Initial boiling point and boiling range: | Not determined | |
| | Softening point: | >80 °C Test Method DIN EN 1427 | |
| | Flash point: | >230 °C | |
| | Solid: | Not determined | |
| | Explosive properties: | The product is not: Explosive. not applicable | |
| | Lower explosion limits: | Not determined | |
| | Upper explosion limits: | Auto-ignition temperature not determined | |
| | Solid: | Not determined | |
| | Gas: | Not applicable | |
| | Decomposition temperature: | Not determined | |
| | Oxidising properties: | Not oxidising | |
| | Vapour pressure: | Not determined | |
| | Density (at 25°C): | 0.9 g/cm ³ | |

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| | Water solubility: | The study does not need to be conducted because the substance is known to be insoluble in water. | |
| | Solubility in other solvents: | Not determined | |
| | Partition coefficient: | Not determined | |
| | Vapour density: | Not determined | |
| | Evaporation rate: | Not determined | |
| 9.2 | Other information: | | |
| | Solid content: | Not determined | |

SECTION 10: STABILITY AND REACTIVITY

| | | | |
|-------------|---|--|--|
| 10.1 | Reactivity | No hazardous reaction when handled and stored according to provisions. | |
| 10.2 | Chemical stability | The product is stable under storage at normal ambient temperatures. | |
| 10.3 | Possibility of hazardous reactions | No known hazardous reactions. | |
| 10.4 | Conditions to avoid | None | |
| 10.5 | Incompatible materials | No information available. | |
| 10.6 | Hazardous decomposition products | No known hazardous decomposition products. | |

SECTION 11: TOXICOLOGICAL INFORMATION

| | | | |
|--|--|---|--|
| | Acute toxicity | Based on available data, the classification criteria are not met. | |
| | Irritation and corrosivity | Based on available data, the classification criteria are not met. | |
| | Sensitising effects | Based on available data, the classification criteria are not met. | |
| | Carcinogenic/mutagenic/toxic effects for reproduction | Based on available data, the classification criteria are not met. | |
| | STOT-single exposure | Based on available data, the classification criteria are not met. | |
| | STOT-repeated exposure | Based on available data, the classification criteria are not met. | |
| | Aspiration hazard | Based on available data, the classification criteria are not met. | |
| | Additional information on tests | The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. | |

SECTION 12: ECOLOGICAL INFORMATION

| | | | |
|-------------|---|----------------------------------|--|
| 12.1 | Toxicity | The product is not ecotoxic. | |
| 12.2 | Persistence and degradability | The product has not been tested. | |
| 12.3 | Bioaccumulative potential | The product has not been tested. | |
| 12.4 | Mobility in soil | The product has not been tested. | |
| 12.5 | Results of PBT and vPvB assessment | The product has not been tested. | |
| 12.6 | Other adverse effects | No information available. | |

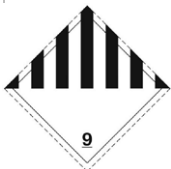
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| Further information | Avoid release into the environment. |
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SECTION 13: DISPOSAL CONSIDERATIONS



| | | |
|-------------|---|--|
| 13.1 | Waste treatment methods | |
| | Advice on disposal: | Dispose of waste according to applicable legislation. |
| | Waste disposal number of waste from residues/unused products | 170302 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); bituminous mixtures, coal tar and tarred products; bituminous mixtures other than those mentioned in 17 03 01. |
| | Waste disposal number of used product | 170302 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES); bituminous mixtures, coal tar and tarred products; bituminous mixtures other than those mentioned in 17 03 01. |
| | Contaminated packaging | Completely emptied packages can be recycled. |

SECTION 14: TRANSPORT INFORMATION

| | | |
|-------------|---|---|
| | Land transport ADR / RID: | |
| 14.1 | UN number: | UN 3257 |
| 14.2 | UN proper shipping name: | Elevated temperature liquid, n.o.s. (Bitumen) |
| 14.3 | Transport hazard class(es): | 9 |
| 14.4 | Packing group: | III |
| | Hazard label: | 9 |
| |  | |
| | Classification code: | M9 |
| | Special provisions: | 274 643 668 |
| | Limited quantity: | 0 |
| | Excepted quantity: | E0 |
| | Transport category: | 3 |
| | Hazard No: | 99 |
| | Tunnel restriction code: | D |
| | Other applicable information (land transport): | At <100°C: no dangerous goods in relation to these transport regulations. |
| | Inland waterways transport ADN: | |

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|------|---|---|--|
| 14.1 | UN number: | UN 3257 | |
| 14.2 | UN proper shipping name: | Elevated temperature liquid, n.o.s. (Bitumen) | |
| 14.3 | Transport hazard class(es): | 9 | |
| 14.4 | Packing group: | III | |
| | Hazard label: | 9 | |
| |  | | |
| | Classification code: | M9 | |
| | Special provisions: | 274 643 668 | |
| | Limited quantity: | 0 | |
| | Excepted quantity: | E0 | |
| | Other applicable information (land transport): | At <100°C: no dangerous goods in relation to these transport regulations. | |
| | Marine transport IMDG: | | |
| 14.1 | UN number: | UN 3257 | |
| 14.2 | UN proper shipping name: | Elevated temperature liquid, n.o.s. (Bitumen) | |
| 14.3 | Transport hazard class(es): | 9 | |
| 14.4 | Packing group: | III | |
| | Hazard label: | 9 | |
| |  | | |
| | Special provisions: | 232.274 | |
| | Limited quantity: | 0 | |
| | Excepted quantity: | E0 | |
| | EmS: | F-A, S-P | |
| | Other applicable information (land transport): | At <100°C: no dangerous goods in relation to these transport regulations. | |
| | Air transport ICAO-TI and IATA-DGR: | | |
| 14.1 | UN number: | UN 3257 | |
| 14.2 | UN proper shipping name: | Elevated temperature liquid, n.o.s. (Bitumen) | |
| 14.3 | Transport hazard class(es): | 9 | |
| 14.4 | Packing group: | - | |
| | Hazard label: | 9 | |

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| |  | | |
| | Limited quantity Passenger: | Forbidden | |
| | Passenger LQ: | Forbidden | |
| | Excepted quantity: | E0 | |
| | IATA-packing instructions - Passenger: | Forbidden | |
| | IATA-max. quantity - Passenger: | Forbidden | |
| | IATA-packing instructions: Cargo: | Forbidden | |
| | IATA-max. quantity – Cargo: | Forbidden | |
| | Other applicable information (land transport): | At <100°C: no dangerous goods in relation to these transport regulations. | |
| 14.5 | Environmental hazards: | | |
| | Environmentally hazardous: | No | |
| 14.6 | Special precautions for user: | No information available. | |
| 14.7 | Transport in bulk according to Annex II of Marpol and the IBC Code: | Not applicable | |

SECTION 15: REGULATORY INFORMATION

| | | | |
|-------------|---|--|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulatory information | Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III) (SEVESO III): | |
| | National regulatory information | Water contaminating class (D): - - not water contaminating | |
| 15.2 | Chemical safety assessment | Chemical safety assessments for substances in this mixture were not carried out. | |

SECTION 16: OTHER INFORMATION

| | | | |
|--|---------------|--|--|
| | CLP: | Classification, labelling and Packaging | |
| | REACH: | Registration, Evaluation and Authorization of Chemicals | |
| | GHS: | Globally Harmonised System of Classification, Labelling and Packaging of Chemicals | |
| | UN: | United Nations | |
| | CAS: | Chemical Abstracts Service | |
| | DNEL: | Derived No Effect Level | |
| | DMEL: | Derived Minimal Effect Level | |
| | PNEC: | Predicted No Effect Concentration | |
| | ATE: | Acute toxicity estimate | |
| | LC50: | Lethal concentration, 50% | |
| | LD50: | Lethal dose, 50% | |

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| LL50: | Lethal loading, 50% |
| EL50: | Effect loading, 50% |
| EC50: | Effective Concentration 50% |
| ErC50: | Effective Concentration 50%, growth rate |
| NOEC: | No Observed Effect Concentration |
| BCF: | Bio-concentration factor |
| PBT: | persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative |
| ADR: | Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| RID: | Regulations concerning the international carriage of dangerous goods by rail |
| ADN: | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures) |
| IMDG: | International Maritime Code for Dangerous Goods |
| EmS: | Emergency Schedules |
| MFAG: | Medical First Aid Guide |
| IATA: | International Air Transport Association |
| ICAO: | International Civil Aviation Organization |
| MARPOL: | International Convention for the Prevention of Marine Pollution from Ships |
| IBC: | Intermediate Bulk Container |
| SVHC: | Substance of Very High Concern |

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

| | |
|--|-----------------|
| Last update date (Manufacturer) | May 2022 |
| Moy Materials Ltd, prepared by | Martin Bidewell |

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