

# Safety Data Sheet

## Paro-Melt® Hot Melt Compound

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

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. Unit K, South City Business Park, Whitestown Way, Tallaght, Dublin 24, D24 PE83 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

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.	

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	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.	

### SECTION 5: FIREFIGHTING MEASURES

5.1	Extinguishing media		
	Suitable extinguishing media	Carbon dioxide (CO <sub>2</sub> ). 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)		

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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 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	

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	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 <sup>3</sup>	
	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.	

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	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.	
	Further information	Avoid release into the environment.	

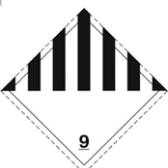
### SECTION 13: DISPOSAL CONSIDERATIONS

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

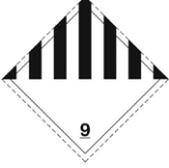
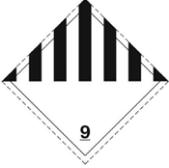
	Land transport ADR / RID:		
14.1	UN number:	UN 3257	
14.2	UN proper shipping name:	Elevated temperature liquid, n.o.s. (Bitumen)	
14.3	Transport hazard class(es):	9	
14.4	Packing group:	III	
	Hazard label:	9	

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	Classification code:	M9	
	Special provisions:	274 643 668	
	Limited quantity:	0	
	Excepted quantity:	E0	
	Transport category:	3	
	Hazard No:	99	
	Tunnel restriction code:	D	
	<b>Other applicable information (land transport):</b>	At <100°C: no dangerous goods in relation to these transport regulations.	
	<b>Inland waterways transport ADN:</b>		
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	
	<b>Other applicable information (land transport):</b>	At <100°C: no dangerous goods in relation to these transport regulations.	
	<b>Marine transport IMDG:</b>		
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	

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	Special provisions:	232.274	
	Limited quantity:	0	
	Excepted quantity:	EO	
	EmS:	F-A, S-P	
	<b>Other applicable information (land transport):</b>	At <100°C: no dangerous goods in relation to these transport regulations.	
	<b>Air transport ICAO-TI and IATA-DGR:</b>		
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	
			
	Limited quantity Passenger:	Forbidden	
	Passenger LQ:	Forbidden	
	Excepted quantity:	EO	
	IATA-packing instructions - Passenger:	Forbidden	
	IATA-max. quantity - Passenger:	Forbidden	
	IATA-packing instructions: Cargo:	Forbidden	
	IATA-max. quantity - Cargo:	Forbidden	
	<b>Other applicable information (land transport):</b>	At <100°C: no dangerous goods in relation to these transport regulations.	
14.5	<b>Environmental hazards:</b>		
	Environmentally hazardous:	No	
14.6	<b>Special precautions for user:</b>	No information available.	
14.7	<b>Transport in bulk according to Annex II of Marpol and the IBC Code:</b>	Not applicable	

### SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulatory	Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III) (SEVESO III):	
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	information		
	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%	
	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	

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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 <a href="http://abbrev.esdscom.eu">http://abbrev.esdscom.eu</a>	
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Moy Materials Ltd, prepared by	Martin Bidewell
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