



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name PatchMaster H576 Permanent Asphalt Reinstatement

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses
Uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier Meon Ltd.
Railside
Northharbour Spur
Portsmouth
PO6 3TU
+44 (0) 23 9220 0606
mail@meonuk.com

1.4. Emergency Telephone Number

Emergency telephone +44 (0) 808 118 1922

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US) Skin Irrit. 2 - H315
Carc. 1B - H350
STOT RE 2 - H373
Full text of H-phrases: see Section 16.

2.2. Label Elements

GHS-US labelling
Hazard pictograms (GHS-US)



Signal word (GHS-US) Danger

PatchMaster H576 Permanent Asphalt Reinstatement

Hazard statement(s) (GHS-US) H315 - Causes skin irritation.
 H350 - May cause cancer.
 H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s) (GHS-US) P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe dust.
 P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves, clothes, and goggles.
 P302+P352 - If on skin: Wash with plenty of water for at least 15 minutes.
 P308+P313 - If exposed or concerned: Get medical attention.
 P314 - Get medical attention if you feel unwell.
 P321 - Specific treatment (see first aid measures on this label).
 P332+P313 - If skin irritation occurs: Get medical attention.
 P362 - Take off contaminated clothing and wash before reuse.
 P405 - Store locked up.
 P501 - Dispose of contents to meet all regulations.

2.3. Other hazards

No additional information available.

2.4. Unknown acute toxicity (GHS-US)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Name	Product identifier	Classification (GHS-US)	%
Petroleum Asphalt Base	(CAS No) 8052-42-4	Carc. 1B - H350	2 - 8
Petroleum Solvent	(CAS No) 68476-34-6	Flam. Liq. 3 - H226 Acute Tox. 4 (Dermal) - H312 Acute Tox. 4 (Inhalation) - H332 Skin Irrit. 2 - H315 Carc. 2 - H351 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 GHS08 Wng	1 - 3
Quartz	(CAS No) 14808-60-7	Carc. 1A - H350	0.091 - 0.97

Full text of H-phrases: see Section 16.

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

4.1. Description of first aid measures

PatchMaster H576 Permanent Asphalt Reinstatement

General information	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	Give oxygen or artificial respiration if necessary. Get medical advice/attention if you feel unwell. Allow victim to breathe fresh air. Allow the victim to rest.
Ingestion	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Skin contact	Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see first aid measures on this label).
Eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Dizziness, headaches, nausea. May cause respiratory irritation.
Skin contact	Irritation. Causes skin irritation.
Eye contact	Severe irritation including redness, tearing and blurred vision.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	Never use a welding or cutting torch on or near drums of this material (even empty drums) because the material can ignite explosively.
Reactivity	Stable under normal conditions.

5.3. Advice for firefighters

Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.
Special protective equipment for fire fighters	Full face piece respirator.
Other information	Water or foam may cause frothing which can be violent and may present a life-threatening situation. Frothing is most likely to occur when streams of water or foam are sprayed into hot or burning containers.

PatchMaster H576 Permanent Asphalt Reinstatement

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	The material can be reused; use old material as a base under fresh product.
For non-emergency personnel	Evacuate unnecessary personnel.
For emergency responders:	
Protective equipment	Equip cleanup crew with proper protection.
Emergency procedures	Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.
Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions on safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust.

Hygiene measures Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Keep only in the original container in a cool, well-ventilated place.
Keep container closed when not in use.

Incompatible products Strong bases. Strong acids.
Incompatible materials Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available.

PatchMaster H576 Permanent Asphalt Reinstatement

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

PatchMaster H576 Permanent Asphalt Reinstatement	
ACGIH	Not applicable
OSHA	Not applicable

Petroleum Solvent (68476-34-6)		
ACGIH	ACGIH TWA (mg/m ³)	100 mg/m ³
OSHA	Not applicable	

Petroleum Asphalt Base (8052-42-4)	
ACGIH	Not applicable
OSHA	Not applicable

Quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 respirable fraction
OSHA	OSHA PEL (TWA) (mg/m ³)	0.1 mg/m ³ respirable dust
OSHA	Remark (OSHA)	(3) See Table Z-3.

8.2. Exposure controls

Personal protective equipment	Avoid all unnecessary exposure.
Eye protection	Chemical goggles or safety glasses.
Hand protection	Wear protective gloves.
Skin and body protection	Impervious clothing. Impervious shoes. Wear suitable protective clothing.
Respiratory protection	Wear appropriate mask.
Other information	Do not eat, drink or smoke during use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Black coated stone
Colour	Black
Odour	Tar, Petroleum
Odor threshold	No data available.
pH	No data available.
Relative evaporation rate (butyl acetate=1)	Slower than ether.
Melting point	No data available.
Freezing point	No data available.
Boiling point	No data available.
Flash point (°F)	> 200, Cleveland Tag Open Cup Method

PatchMaster H576 Permanent Asphalt Reinstatement

Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Flammability (solid, gas)	No data available.
Vapor pressure	No data available.
Relative vapor density at 20 °C	No data available.
Relative density	Heavier than air.
Solubility	Negligible. Water: Solubility in water of component(s) of the mixture: •: 0.001 %
Log Pow	No data available.
Log Kow	No data available.
Viscosity, kinematic	No data available.
Viscosity, dynamic	No data available.
Explosive properties	No data available.
Oxidising properties	No data available.
Explosive limits	No data available.

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Petroleum Solvent (68476-34-6)	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	2000 mg/kg
ATE US (oral)	5000.000 mg/kg body weight
ATE US (dermal)	2000.000 mg/kg body weight
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapours)	11.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h

PatchMaster H576 Permanent Asphalt Reinstatement

Petroleum Asphalt Base (8052-42-4)	
LD50 oral rat	>5000 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation rat (mg/l)	>94.4 ml/m ³

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	May cause cancer.
Reproductive toxicity	Not classified.
Specific target organ toxicity (single exposure)	Not classified.
Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified.
Potential Adverse human health effects and symptoms	Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	Dizziness, headaches, nausea. May cause respiratory irritation.
Symptoms/injuries after skin contact	Irritation. Causes skin irritation.
Symptoms/injuries after eye contact	Severe irritation including redness, tearing and blurred vision.

Petroleum Asphalt Base (8052-42-4)	
IARC group	2A - Probably carcinogenic to humans, 2B - Possibly carcinogenic to humans

Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans

SECTION 12: Ecological information

12.1. Toxicity

No additional information available.

12.2. Persistence and degradability

Petroleum Solvent (68476-34-6)	
Persistence and degradability	May cause long-term adverse effects in the environment.

Petroleum Asphalt Base (8052-42-4)	
Persistence and degradability	Not established.

Quartz (14808-60-7)	
Persistence and degradability	Not established.

PatchMaster H576 Permanent Asphalt Reinstatement

12.3. Bioaccumulative potential

Permanent Asphalt Repair Material	
Bioaccumulative potential	Although there is no evidence that the components of UPM asphalt cold mix bioaccumulate in the food chains, the heavier molecular eight components of asphalt and Petroleum solvent may be persistent under some environmental conditions. Release of these products into surface waters should be avoided. Not established.
Petroleum Solvent (68476-34-6)	
Bioaccumulative potential	Not established.
Petroleum Asphalt Base (8052-42-4)	
Bioaccumulative potential	Not established.
Quartz (14808-60-7)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

Effect on ozone layer

Effect on the global warming

No known ecological damage caused by this product.

Other information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations.

Dispose of contents to meet local and national regulations.

Ecology - waste materials

Avoid release to the environment.

SECTION 14: Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for Air Transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

In accordance with DOT

Not regulated for transport

Additional information

No supplementary information available.

ADR

No additional information available.

Transport by sea

No additional information available.

Air transport

No additional information available.

PatchMaster H576 Permanent Asphalt Reinstatement

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

US Federal regulations

Petroleum Solvent (68476-34-6)	Listed on the United States TSCA (Toxic Substances Control Act) inventory.
Petroleum Asphalt Base (8052-42-4)	Listed on the United States TSCA (Toxic Substances Control Act) inventory.
Quartz, Silica (14808-60-7)	Listed on the United States TSCA (Toxic Substances Control Act) inventory.

International regulations

CANADA

No additional information available.

EU-Regulations

No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified.

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified.

National regulations

Quartz, Silica (14808-60-7)	Listed on IARC (International Agency for Research on Cancer)
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US State regulations

Petroleum Asphalt Base (8052-42-4)	U.S. - New Jersey - Right to Know Hazardous Substance List
Quartz, Silica (14808-60-7)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information None.

Full text of H-phrases

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation

PatchMaster H576 Permanent Asphalt Reinstatement

H332	Harmful if inhaled
H350	May cause cancer
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.