

SAFETY DATA SHEET
PALATINE HULL BLACKING

Compilation date: 01/09/2023

Revision No: 1

Supersedes date: N/A

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** PALATINE HULL BLACKING**Product code:** PHB1L - 1L, PHB2.5L - 2.5L, PHB5L - 5L, PHB25L - 25L**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Hull Blacking**1.3. Details of the supplier of the safety data sheet****Company name:** Palatine Paints & Chemicals Limited

55 Smallbrook Lane

Leigh

Greater Manchester

North West

WN7 5PZ

United Kingdom

Tel: 01942 884122**Email:** sales@palatinepaints.co.uk**1.4. Emergency telephone number**

+44 (0) 1942 884122 (08.00 - 16.30 hrs Mon - Fri)

Section 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids, Category 3 H226

Specific target organ toxicity — Single exposure, Category 3, Narcosis H336

Specific target organ toxicity — Repeated exposure, Category 1 H372

Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H and EUH statements: see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms:



GHS02

GHS07

GHS08

GHS09

Signal word (CLP):

Danger

Contains:

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hazard statements (CLP):

H226 - Flammable liquid and vapour.

H336 - May cause drowsiness or dizziness.

H372 - Causes damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP):

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTRE or doctor if you feel unwell.

P370+P378 - In case of fire: Use media other than water to extinguish.

P391 - Collect spillage.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local,

regional, national and/or international regulation.

EUH-statements:

EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

[cont...]

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Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

Name	Product Identifier	Percent	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	EC-No.: 919-446-0	≥ 50 – < 70	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 STOT RE 1, H372 Aquatic Chronic 2, H411 (M=0)

Full text of H and EUH statements: see section 16

Section 4: First aid measures

4.1. Description of first aid measures

First-aid measures general:	Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact:	Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact:	Rinse eyes with water as a precaution.
First-aid measures after ingestion:	Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects: May cause drowsiness or dizziness.

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

Treat symptomatically

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Flammable liquid and vapour.

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Advice for fire-fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing to prevent contact

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

[cont...]

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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Ground/bond container and receiving equipment.

Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

7.3. Specific end use(s)

No additional information available

Section 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

PALATINE HULL BLACKING	
United Kingdom - Occupational Exposure Limits	
WEL TWA [1]	350 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

[cont...]

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: Black.
Odour: Characteristic odour.
Odour threshold: No data available
pH: No data available
Relative evaporation rate (butylacetate=1): No data available
Melting point: Not applicable
Freezing point: No data available
Boiling point: 153 °C
Flash point: 40 °C
Auto-ignition temperature: 200 °C
Decomposition temperature: No data available
Flammability (solid, gas): Not applicable
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: No data available
Partition coefficient n-octanol/water (Log Pow): 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

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

LD50 oral rat	> 15000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LC50 inhalation rat (mg/l)	> 1.58 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: May cause drowsiness or dizziness.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure: Causes damage to organs through prolonged or repeated exposure.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

NOAEL (dermal, rat/rabbit, 90 days)	≥ 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not classified

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Viscosity, kinematic	1.2 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'
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Section 12: Ecological information

12.1. Toxicity

Ecology - general: Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Toxic to aquatic life with long lasting effects.

Not rapidly degradable

[cont...]

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Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
EC50 72h - Algae [1]	0.94 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.53 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	1.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	0.58 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

Section 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information: Flammable vapours may accumulate in the container.

European List of Waste (LoW) code: 15 01 10* - packaging containing residues of or contaminated by dangerous substances
17 03 02 - bituminous mixtures other than those mentioned in 17 03 01

Section 14: Transport information

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1999	UN 1999	UN 1999	UN 1999	UN 1999
14.2. UN proper shipping name				
TARS, LIQUID (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); (64742-93-4))	TARS, LIQUID (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); (64742-93-4))	Tars, liquid (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); (64742-93-4))	TARS, LIQUID (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); (64742-93-4))	TARS, LIQUID (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); (64742-93-4))

[cont...]

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Transport document description				
UN 1999 TARS, LIQUID (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ; (64742-93-4)), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1999 TARS, LIQUID (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ; (64742-93-4)), 3, III, MARINE POLLUTANT/ ENVIRONMENTALLY HAZARDOUS	UN 1999 Tars, liquid (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ; (64742-93-4)), 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1999 TARS, LIQUID (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ; (64742-93-4)), 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1999 TARS, LIQUID (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ; (64742-93-4)), 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR): F1

Limited quantities (ADR): 5I

Excepted quantities (ADR): E1

Packing instructions (ADR): P001, IBC03, LP01, R001

Mixed packing provisions (ADR): MP19

Portable tank and bulk container instructions (ADR): T1

Portable tank and bulk container special provisions (ADR): TP3

Tank code (ADR): LGBF

Vehicle for tank carriage: FL

Transport category (ADR): 3

Special provisions for carriage - Packages (ADR): V12

Special provisions for carriage - Operation (ADR): S2

Hazard identification number (Kemler No.): 30

Orange plates:



Tunnel restriction code (ADR): D/E

EAC code: 2WE

APP code: A(fl)

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Transport by sea

Special provisions (IMDG): 955

Packing instructions (IMDG): P001, LP01

IBC packing instructions (IMDG): IBC03

Tank instructions (IMDG): T1

Tank special provisions (IMDG): TP3

EmS-No. (Fire): F-E

EmS-No. (Spillage): S-E

Stowage category (IMDG): A

Properties and observations (IMDG): Mobile liquids prepared by mixing asphalt with petroleum distillate. Pungent odour. Immiscible with water.

Air transport

PCA Excepted quantities (IATA): E1

PCA Limited quantities (IATA): Y344

PCA limited quantity max net quantity (IATA): 10L

PCA packing instructions (IATA): 355

PCA max net quantity (IATA): 60L

CAO packing instructions (IATA): 366

CAO max net quantity (IATA): 220L

Special provisions (IATA): A3

ERG code (IATA): 3L

Inland waterway transport

Classification code (ADN): F1

Limited quantities (ADN): 5 L

Excepted quantities (ADN): E1

Carriage permitted (ADN): T

Equipment required (ADN): PP, EX, A

Ventilation (ADN): VE01

Number of blue cones/lights (ADN): 0

Rail transport

Classification code (RID): F1

Limited quantities (RID): 5L

Excepted quantities (RID): E1

Packing instructions (RID): P001, IBC03, LP01, R001

Mixed packing provisions (RID): MP19

Portable tank and bulk container instructions (RID): T1

Portable tank and bulk container special provisions (RID): TP3

Tank codes for RID tanks (RID): LGBF

Transport category (RID): 3

Special provisions for carriage – Packages (RID): W12

Colis express (express parcels) (RID): CE4

Hazard identification number (RID): 30

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

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REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

No additional information available

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

Section 16: Other information

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE: Acute Toxicity Estimate

BCF: Bioconcentration factor

BLV: Biological limit value

BOD: Biochemical oxygen demand (BOD)

COD: Chemical oxygen demand (COD)

DMEL: Derived Minimal Effect level

DNEL: Derived-No Effect Level

EC-No.: European Community number

EC50: Median effective concentration

EN: European Standard

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

LC50: Median lethal concentration

LD50: Median lethal dose

LOAEL: Lowest Observed Adverse Effect Level

NOAEC: No-Observed Adverse Effect Concentration

NOAEL: No-Observed Adverse Effect Level

NOEC: No-Observed Effect Concentration

OECD: Organisation for Economic Co-operation and Development

OEL: Occupational Exposure Limit

PBT: Persistent Bioaccumulative Toxic

PNEC: Predicted No-Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS: Safety Data Sheet

STP: Sewage treatment plant

ThOD: Theoretical oxygen demand (ThOD)

[cont...]

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TLM: Median Tolerance Limit

VOC: Volatile Organic Compounds

CAS-No.: Chemical Abstract Service number

N.O.S.: Not Otherwise Specified

vPvB: Very Persistent and Very Bioaccumulative

ED: Endocrine disrupting properties

Full text of H- and EUH-statements:

Aquatic Chronic 2: Hazardous to the aquatic environment — Chronic Hazard, Category 2

Asp. Tox. 1: Aspiration hazard, Category 1

EUH066: Repeated exposure may cause skin dryness or cracking.

Flam. Liq. 3: Flammable liquids, Category 3

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H336: May cause drowsiness or dizziness.

H372: Causes damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

STOT RE 1: Specific target organ toxicity — Repeated exposure, Category 1

STOT SE 3: Specific target organ toxicity — Single exposure, Category 3, Narcosis

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.