

SAFETY DATA SHEET



TROWEL MASTIC

ACCORDING TO EC-REGULATIONS 1272/2008 (CLP) & 2020/878

Date of issue: 17th May 2024
Version 2.0

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

| | |
|--|--|
| 1.1 Product identifier | |
| Product name | Trowel Mastic |
| Product Code | 5060938853913, 5060938853920 |
| CAS No. | Mixture |
| EINECS No. | Mixture |
| Unique Formula Identifier (UFI) | MP00-X06P-C00U-P24C |
| Nanoform | The product does not contain nanoparticles. |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | |
| Identified Use(s) | A bitumen based mastic for roof repair. |
| Uses advised against | See section 10 for a list of incompatible materials. |
| 1.3 Details of the supplier of the safety data sheet | |
| Company Identification | Radmat Building Products LTD Holland House, Valley Way, Rockingham Road, Market Harborough, LE16 7PS |
| Telephone | 01858 412109 |
| E-mail (competent person) | sales@radmatbm.com |
| 1.4 Emergency telephone number | |
| Emergency Phone No. | 01858 412109 |
| Languages spoken | (Office hours) English |
| NHS 24 | 111 (quote UFI code from section 1.1 and also on reverse of tin.) |

SECTION 2: HAZARDS IDENTIFICATION

| | |
|--|---|
| 2.1 Classification of the substance or mixture | |
| 2.1.1 The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain | Flam. Liq. 3; H226 |
| 2.2 Label elements | |
| Product name | The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain |
| Contains: | Trowel Mastic |
| | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |
| Hazard Pictogram(s) | |
| Signal Word(s) | WARNING |
| Hazard Statement(s) | H226: Flammable liquid and vapour. |
| Precautionary Statement(s) | P101: If medical advice is needed, have product container or label at hand. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P243: Take action to prevent static discharges. P501: Dispose of contents/container to an appropriate recycling or disposal facility. |
| Supplemental information | EUH066: Repeated exposure may cause skin dryness or cracking. |
| 2.3 Other hazards | None Known |

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances - Not applicable

3.2 Mixtures

Classification: The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

| Chemical identity of the substance | %W/W | CAS No. | EC No. | UK-REACH Registration No. | Hazard classification |
|--|---------|------------|-----------|--------------------------------------|--|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 15 - 19 | 64742-48-9 | 919-857-5 | Not yet assigned in the supply chain | Flam. Liq. 3; H226 STOT SE 3; H336 Asp. Tox. 1; H304 |

For full text of H phrases see section 16.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Self-protection of the first aider

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin, eyes or clothing. Contaminated clothing should be laundered before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. IF exposed or concerned: Get medical advice/attention.

Skin contact

IF ON SKIN: Wash skin with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

IF SWALLOWED: Wash out mouth with water and give small quantities of water to drink. Do not induce vomiting because of risk of aspiration into the lungs. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor/...

4.2 Most important symptoms and effects, both acute and delayed

Repeated exposure may cause skin dryness or cracking.

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

As appropriate for surrounding fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray and sand.

Unsuitable extinguishing media

Do not use water jet. Direct water jet may spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapour. May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide, organic and inorganic compounds. If sulphur compounds are present in appreciable amounts, combustion products may include also H₂S and SO_x (sulfur oxides) or sulfuric acid

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- 5.3 Advice for firefighters** Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take action to prevent static discharges. Use non-sparking tools. Use personal protective equipment as required. Avoid breathing vapours. Avoid contact with skin, eyes or clothing. See Section: 8
- 6.2 Environmental precautions** Avoid release to the environment. Do not allow to enter drains, sewers or water courses.
- 6.3 Methods and material for containment and cleaning up** Use non-sparking equipment when picking up flammable spill. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Ventilate the area and wash spill site after material pick-up is complete. Dispose of this material and its container as hazardous waste
- 6.4 Reference to other sections** See Section: 8, 13

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Ensure operatives are trained to minimise exposures. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin, eyes or clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. May form explosive peroxides. Take action to prevent static discharges. Use personal protective equipment as required. Ground and bond container and receiving equipment. See Section: 8. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
- 7.2 Conditions for safe storage, including any incompatibilities** Ground/bond container and receiving equipment. Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight.
Ambient temperatures.
- 7.3 Specific end use(s)** storage temperature
Incompatible materials
Strong oxidising agents, Strong acids.
See Section: 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational exposure limits

United Kingdom:

| SUBSTANCE | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m ³) | STEL (ppm) | STEL (mg/m ³) | Note |
|--------------------------|-----------|---------------------|------------------------------------|------------|---------------------------|------|
| Asphalt, petroleum fumes | 8052-42-4 | - | 5 | - | 10 | - |

Source: WEL: Workplace Exposure Limit (UK HSE EH40).

- 8.1.2 Biological limit value** Not established
- 8.1.3 PNECs and DNELs** Not established
- 8.2 Exposure controls**

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- 8.2.1 Appropriate engineering controls** Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present. Ground and bond container and receiving equipment. Take action to prevent static discharges. Use non-sparking tools.
- 8.2.2 Individual protection measures, such as personal protective equipment** General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid breathing vapours. Avoid contact with skin, eyes or clothing. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/ face protection



Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).

Skin protection



Hand protection:

Wear impervious gloves (EN374). Protective index 6, corresponding > 480 minutes of permeation time according to EN 374 Gloves should be changed regularly to avoid permeation problems. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Body protection:

Wear impervious protective clothing, including boots, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection



In case of inadequate ventilation wear respiratory protection. A suitable mask with filter type A (EN141 or EN405) may be appropriate.

Thermal hazards

Not applicable

8.2.3 Environmental exposure controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--|-------------------------|
| Appearance | Black paste |
| Odour | Characteristic |
| Odour threshold | No data available |
| pH | Not applicable |
| Melting point/freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flash point | 39 °C |
| Evaporation rate | No data available |
| Flammability (solid, gas) | Flammable liquid |
| Upper/lower flammability or explosive limits | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | 1.075 g/cm ³ |
| Solubility(ies) | Insoluble in water |
| Partition coefficient: n-octanol/water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | 50 mPa*s |
| Explosive properties | No data available |
| Oxidising properties | No data available |

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9.2 Other information
VOC-value

No data available
180 g/L

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 Stable under normal conditions.
10.4 Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight.
10.5 Incompatible materials Strong oxidising agents, Strong acids.
10.6 Hazardous decomposition products May decompose in a fire giving off toxic fumes. Carbon monoxide, Carbon dioxide, organic and inorganic compounds. If sulphur compounds are present in appreciable amounts, combustion products may include also H₂S and SO_x (sulfur oxides) or sulfuric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity - Ingestion Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 (oral,rat) mg/kg: > 5,000
Acute toxicity - Inhalation Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 (rat) mg/m³ > 94,4
Acute toxicity - Skin contact Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 (skin,rabbit) mg/kg: >2,000
Skin corrosion/irritation Mixture: Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation Mixture: Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitisation Mixture: Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity Mixture: Based upon the available data, the classification criteria are not met.
Carcinogenicity Mixture: Based upon the available data, the classification criteria are not met.
Reproductive toxicity Mixture: Based upon the available data, the classification criteria are not met.
STOT - single exposure Mixture: Based upon the available data, the classification criteria are not met.
STOT - Repeated Exposure Mixture: Based upon the available data, the classification criteria are not met.
Aspiration hazard Mixture: Based upon the available data, the classification criteria are not met.
11.2 Other information None Known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Mixture: Based upon the available data, the classification criteria are not met. Estimated LC50 (Mixture): > 100 mg/l.
12.2 Persistence and degradability No data for the mixture as a whole.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Biodegradable. 71% in 28 days (OECD 301F) (Unnamed publication, 2014)
12.3 Bioaccumulative potential No data for the mixture as a whole.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics The substance has potential for bioaccumulation. BCF >= 30.85 <= 2,626.13 L/kg (BCFBAF v3.01, 2012)
12.4 Mobility in soil No data for the mixture as a whole.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics The substance is predicted to have low mobility in soil. Koc >= 465.69 <= 140184.50 L/kg (Schüürmann et al., 2006)
12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB.
12.6 Other adverse effects None Known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods This material and its container must be disposed of as hazardous waste. Dispose of wastes in an approved waste disposal facility.
Waste classification according to Directive 2008/98/EC (Waste Framework Directive) Dispose of contents in accordance with local, state or national legislation. Waste code: HP3 (Flammable)
13.2 Additional information None Known

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SECTION 14: TRANSPORT INFORMATION

| | ADR/RID | IMDG | IATA/CAO |
|---|----------------|---------------------------------------|----------------|
| 14.1 UN number | UN 1263 | UN 1263 | UN 1263 |
| 14.2 UN proper shipping name | PAINT | PAINT | PAINT |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 |
| 14.4 Packing group | III | III | III |
| 14.5 Environmental hazards | Not classified | Not classified as a Marine Pollutant. | Not classified |
| 14.6 Special precautions for user | See Section: 2 | | |
| 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 | |
| Authorisations and/or restrictions on use | Not restricted |
| EUON - Nanomaterials Currently on the EU Market | Calcium carbonate: Listed |
| Substance(s) of Very High Concern (SVHCs) | This product does not contain any known "substances of very high concern" (SVHC's) |
| To follow: | Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work. |
| GB regulations | |
| Grandfathered registrations notified substances list | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics: Listed Calcium carbonate: Listed Asphalt, oxidized: Listed Asphalt: Listed Residues (petroleum), thermal cracked vacuum: Listed Residues (petroleum), vacuum: Listed |
| 15.1.2 National regulations | |
| Germany Water hazard class (WGK) | Water hazard class: WGK 1 |
| 15.2 Chemical Safety Assessment | A chemical safety assessment is not required under REACH. |

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 – 16. Please review SDS with care.

References:

Existing Safety Data Sheet (SDS)

Existing ECHA registration(s) for Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (CAS No. 64742-48-9).

Literature References:

- Meylan, WM, Howard, PH, Boethling, RS et al. 1999. Improved Method for Estimating Bioconcentration / Bioaccumulation Factor from Octanol/Water Partition Coefficient. Environ. Toxicol. Chem. 18(4): 664-672 (1999).
- Schüürmann G, Ebert RU, Kühne R. Prediction of the sorption of organic compounds into soil organic matter from molecular structure. Environ Sci Technol. 2006 Nov 15;40(22):7005-11. doi: 10.1021/es060152f. PMID: 17154008.

Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830. Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

| Classification of the substance or mixture. The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain | Classification procedure |
|--|---------------------------------------|
| Flam. Liq. 3; H226 | Flash point (°C) / Boiling Point (°C) |
| EUH066 | Expert judgement |

Legend

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

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| | |
|-------|--|
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| DNEL | Derived no effect level |
| IATA | IATA: International Air Transport Association |
| ICAO | ICAO: International Civil Aviation Organization |
| IMDG | IMDG: International Maritime Dangerous Goods |
| LTEL | Long term exposure limit |
| PBT | PBT: Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | RID: Regulations concerning the international railway transport of dangerous goods |
| STEL | Short term exposure limit |
| vPvB | vPvB: very Persistent and very Bioaccumulative |

Hazard classification / Classification code:

Flam. Liq. 3; Flammable liquid, Category 3
STOT SE 3; Specific target organ toxicity — single exposure, Category 3
Asp. Tox. 1; Aspiration Toxicity, Category 1

Hazard Statement(s)

EUH066: Repeated exposure may cause skin dryness or cracking.
H226: Flammable liquid and vapour.
H336: May cause drowsiness or dizziness.
H304: May be fatal if swallowed and enters airways.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.