

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 See Section: 8, 13

6.4 Reference to other sections

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.

storage temperature
Incompatible materials

Ambient temperatures.
Strong oxidising agents, Strong acids.

7.3 Specific end use(s)

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
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Biodegradable. 71% in 28 days (OECD 301F) (Unnamed publication, 2014)
12.3 Bioaccumulative potential
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics No data for the mixture as a whole. The substance has potential for bioaccumulation. BCF >= 30.85 <= 2,626.13 L/kg (BCFBAF v3.01, 2012)
12.4 Mobility in soil
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics No data for the mixture as a whole. 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
Waste classification according to Directive 2008/98/EC (Waste Framework Directive)
13.2 Additional information

This material and its container must be disposed of as hazardous waste. Dispose of wastes in an approved waste disposal facility.
Dispose of contents in accordance with local, state or national legislation.
Waste code: HP3 (Flammable)
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.