SAFETY DATA SHEET

According to Annex II to REACH Regulation 2020/878 and to Annex II to UK REACH

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

1.1 Product identifier

- Product Name: Marbocote Mould Sealer
- Product Part Number: MC0009

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

- Use of the substance/mixture: Industrial Mould Sealer

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Marbocote Ltd
- Address of Supplier: Unit 9,
  Dalton Way
  Middlewich
  Cheshire
  CW10 0HU
  UK
- Telephone: +44 (0) 1606 738 737
- Email: Info@marbocote.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 7764930560

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.
- CLP: Asp. Tox. 1, STOT SE 3, Flam. Liq. 2, Skin Irrit. 2, Aquatic Chronic 2

2.2 Label elements

- Signal Word: Danger

SECTION 2: Hazards identification (....)

Hazard statements

H225 - Highly flammable liquid and vapour.
H336 - May cause drowsiness or dizziness.
H315 - Causes skin irritation.
H304 - May be fatal if swallowed and enters airways.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container to hazardous waste

2.3 Other hazards

- This product is not, or does not contain a substance that is a PBT or a vPvB in percentage greater than 0.1%
- The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Take precautionary measures against static discharges

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hydrocarbons, C7-C9, isoalkanes

REACH Registration Number: 01-2119471305-42-XXXX
CAS Number: None
EC Number: 921-728-3
Concentration: 40 - 50%
Categories: Skin Irrit. 2, STOT SE 3, Asp. Tox. 1
Symbols: GHS02, GHS07,GHS08,GHS09
H Statements: H225, H315, H336, H304, H411

Hydrocarbons, C9 - C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

REACH Registration Number: 01-2119471843-32-XXXX
CAS Number: None
EC Number: 927-241-2
Concentration: 50 - 60%

SECTION 3: Composition/information on ingredients (....)

Categories: STOT SE 3, Asp. Tox. 1
Symbols: GHS02, GHS07, GHS08
H Statements: H226, H336, H304, H412

SECTION 4: First aid measures

4.1 Description of first aid measures

Contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contact with skin

IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

- Specific information on symptoms and effects caused by the product are unknown.

4.3 Indication of any immediate medical attention and special treatment needed

- No information available

4.4 General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use foam, carbon dioxide or dry agent - never use water

5.2 Special hazards arising from the substance or mixture

- Vapours may ignite
- May give off noxious and toxic fumes in a fire

SECTION 5: Firefighting measures (....)

- In case of fire, do not breathe fumes

5.3 Advice for firefighters

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Wear full protective clothing including chemical protection suit
- Wear Breathing Apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate the area
- Shut off all ignition sources
- Shut off source of leak if safe to do so
- Wear eye/face protection

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses
- Use appropriate containment to avoid environmental contamination
- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Ventilate area
- Absorb spillage in suitable inert material
- Collect as much as possible in clean container for reuse or disposal
- Remove contaminated material to safe location for subsequent disposal
- To clean the floor and all objects contaminated by this material use soap and water

6.4 Reference to other sections

- See Section 8 & 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use only in well ventilated areas
- Keep away from sources of ignition - No Smoking
- Take action to prevent static discharges.
- Avoid contact with skin and eyes
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7: Handling and storage (....)

- Keep only in the original container
- Protect from sunlight. Store in a well-ventilated place.
- Keep away from oxidisers, heat, flames or ignition sources

7.3 Specific end use(s)

- See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hydrocarbons, C7-C9, isoalkanes

DNEL (Industry; dermal, long term systemic effects): 773 mg/kg
DNEL (Industry; inhalational, long term systemic effects): 2035 mg/m³
1200 mg/m³ (8 hour TWA)
241 ppm (8 hour TWA)

Hydrocarbons, C9 - C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

DNEL (Industry; dermal, long term systemic effects): 208 mg/kg
DNEL (Industry; inhalational, long term systemic effects): 871 mg/m³
1200 mg/m³ (8 hour TWA)
226 ppm (8 hour TWA)

8.2 Environmental exposure controls

- Do not allow to enter public sewers and watercourses
- Dispose of this material and its container at hazardous or special waste collection point

8.3 Exposure controls

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

8.4 Occupational exposure controls

- Protective gloves complying with EN374
- Wear neoprene or nitrile gloves
- In case of insufficient ventilation, wear suitable respiratory equipment
- Where an air-purifying respirator is suitable, use EN141 or EN405, type A
- Wear eye/face protection
- Wear suitable protective clothing

SECTION 8: Exposure controls/personal protection (....)

- After contact with skin, wash immediately with plenty of water

8.5 Precautionary measures

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Take action to prevent static discharges.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid
- Colour: colourless
- Odour: Characteristic odour
- Melting point - not known
- Freezing point/Range: No information available
- Boiling Point/Range: >100°C
- Flammability: No information available
- Evaporation rate (Butyl acetate = 1): No data
- Lower explosive limit: 0.7% (in air)
- Upper explosive limit: 7.0% (in air)
- Flashpoint: <10°C
- Decomposition temperature: No information available
- pH: not available
- Kinematic viscosity: No data mm^2/s
- Solubility in water: immiscible with water
- Partition coefficient : n-Octanol/water - not known
- Vapour pressure: >10> mm /Hg
- Density: 0.738 - 0.758 g/cm^3 at 20 °C
- Vapour density (air = 1): >1
- Particle characteristics: Not applicable

9.2 Other information

Information with regard to physical hazard classes

No information available

Other safety characteristics

Volatile Organic Compound Content 739g/l

SECTION 10: Stability and reactivity

SECTION 10: Stability and reactivity (....)

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

10.4 Conditions to avoid

- Keep away from heat and sources of ignition

10.5 Incompatible materials

- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides
- Smoke from fires is toxic

SECTION 11: Toxicological information

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

11.1 Information on toxicological effects

Hydrocarbons, C7-C9, isoalkanes

LD_{50} (dermal, rabbit): >2000 mg/kg
LD_{50} (skin, rat): >5000 mg/kg
LC_{50} (inhalation, rat): 21 mg/l/4h

Hydrocarbons, C9 - C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

LD_{50} (dermal, rabbit): >5000 mg/kg
LD_{50} (oral, rat): 5000 mg/kg

11.2 Skin corrosion/irritation

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis

11.3 Serious eye damage/irritation

- May cause irritation

SECTION 11: Toxicological information (....)

11.4 Inhalation

- No information available

11.5 Ingestion

- May be harmful if swallowed and enters airways.

11.6 Carcinogenicity

- No evidence of carcinogenic effects

11.7 Germ cell mutagenicity

- No evidence of mutagenic effects

11.8 Teratogenicity

- No evidence of reproductive effects
- STOT Single Exposure
  May cause drowsiness or dizziness.
- STOT Repeated Exposure
  No information available
- Aspiration hazard
  May be fatal if swallowed and enters airways.

11.9 Information on other hazards

- Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation

SECTION 12: Ecological information

12.1 Toxicity

Hydrocarbons, C7-C9, isoalkanes

IC_{50} (algae): 29 mg/l (72 hr)
EC_{50} (daphnia): 2.4 mg/l (48 hr)
LC_{50} (fish): 18.4 mg/l (96 hr)

Hydrocarbons, C9 - C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

IC_{50} (algae): >1000 mg/l (72 hr)
EC_{50} (daphnia): 22 - 46 mg/l (48 hr)
LC_{50} (fish): 10 - 30 mg/l (96 hr)

SECTION 12: Ecological information (....)

12.2 Persistence and degradability

- Readily biodegradable

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- This product is not, or does not contain a substance that is a PBT or a vPvB in percentage greater than 0.1%

12.6 Endocrine disrupting properties

- Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation

12.7 Other adverse effects

- None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Dispose of this material and its container at hazardous or special waste collection point
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

SECTION 14: Transport information

14.1 UN number or ID number

- UN No.: 1866

14.2 UN proper shipping name

- ADR/RID
  Proper Shipping Name: RESIN SOLUTION
- IMDG

SECTION 14: Transport information (....)

Proper Shipping Name: RESIN SOLUTION

- IATA
  Proper Shipping Name: RESIN SOLUTION

14.3 Transport hazard class(es)

- ADR/RID
  Hazard Class: 3
- IMDG
  Hazard Class: 3
- IATA
  Hazard Class: 3

14.4 Packing group

- ADR/RID
  Packing group II
- IMDG
  Packing group II
- IATA
  Packing group II

14.5 Environmental hazards

- ADR/RID
- ENVIRONMENTALLY HAZARDOUS
- IMDG
- Marine pollutant Hydrocarbons, C7-C9, isoalkanes
- IATA
- ENVIRONMENTALLY HAZARDOUS

14.6 Special precautions for user

- ADR/RID
  Hazard ID: 33
  Tunnel Code: D/E
  Limited Quantities: 5L
- IMDG
  IMDG EmS: F-E, S-E
  Limited Quantities: 5L
- IATA
  Cargo:

SECTION 14: Transport information (....)

Max Qty: 60L
Packaging instructions: 364
Pass:
Max Qty: 5L
Packaging instructions: 353

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

- All components of this preparation are registered on the European Inventory of Existing Chemical Substances (EINECS)
- Seveso Category – Directive 2012/18/EC:
- P5c - E2
- Restrictions relating to the product or contained substances pursuant to Annex XVII to EC regulation 1907/2006
- Point:3 - 40
- Substances in Candidate List (Art.59 REACH)
- This product is not, or does not contain a substance that is a PBT or a vPvB in percentage greater than 0.1%
- Substances subject to authorization (Annex XIV REACH)
- None
- Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012.
- None

15.2 Chemical safety assessment

- This product is either exempt from REACH or does not meet the minimum volume threshold for a chemical safety assessment (CSA)

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

--- end of safety datasheet ---