

SAFETY DATA SHEET
according to Regulation (EU) 2015/830

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Marbocote Mould Cleaner

Revision 3
Revision date 2018-01-05

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

1.1. Product identifier

Product name Marbocote Mould Cleaner

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

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products); [PROC10] Roller application or brushing; [ERC4] Industrial use of processing aids in processes and products, not becoming part of articles;

1.3. Details of the supplier of the safety data sheet

Company Marbocote Ltd
Address Unit 9
Dalton Way
Middlewich
Cheshire
CW10 0HU
UK
Web www.marbocote.co.uk
Telephone +44 (0) 1606 738737
Fax +44 (0) 1606 738846
Email info@marbocote.co.uk

1.4. Emergency telephone number

Emergency telephone number +44 (0) 7764930560

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008 : EUH066; Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; STOT SE 3: H336; Repr. 2: H361d; STOT RE 2: H373; Aquatic Chronic 2: H411;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

EUH066 - Repeated exposure may cause skin dryness or cracking.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

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2.2. Label elements

Precautionary Statement: Prevention	Repr. 2: H361d - Suspected of damaging the unborn child. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to hazardous waste

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Butanone (Butan-2-one (methyl ethyl ketone))	606-002-00-3	78-93-3	201-159-0	01-2119457290-43	30 - 40%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
Hydrocarbons, C9, aromatics			918-668-5		30 - 40%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; STOT SE 3: H336; Aquatic Chronic 2: H411;
Toluene	601-021-00-3	108-88-3	203-625-9	01-2119471310-51	20 - 30%	Flam. Liq. 2: H225; Repr. 2: H361d; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336;

Further information

	Note: Any entry in the EC# column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation	Irritating to respiratory system. Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Eye contact	Irritating to eyes.
Skin contact	Irritating to skin.
Ingestion	Harmful: may cause lung damage if swallowed.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Immediate medical attention is required.

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General information

	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Risk of explosion by shock, friction, fire or other sources of ignition.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective gloves/protective clothing/eye protection/face protection. Highly flammable liquid and vapour. Vapour may travel considerable distance to source of ignition and flash back.
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Further information

	See section 8 for further information.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment. Eliminate all sources of ignition. Evacuate personnel to a safe area.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Do not allow runoff water to enter sewers or drains.
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6.4. Reference to other sections

	See section 8 & 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment. Use explosion proof equipment. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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Suitable packaging

	Store in original container.
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7.3. Specific end use(s)

	Industrial Mould Cleaner.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

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8.1.1. Exposure Limit Values

Butanone (Butan-2-one (methyl ethyl ketone))	WEL 8-hr limit ppm: 200 WEL 15 min limit ppm: 300 WEL 8-hr limit mg/m3 total inhalable dust: - WEL 8-hr limit mg/m3 total respirable dust: -	WEL 8-hr limit mg/m3: 600 WEL 15 min limit mg/m3: 899 WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -
Hydrocarbons, C9, aromatics	WEL 8-hr limit ppm: 19 WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust: -	WEL 8-hr limit mg/m3: 100 WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust: -
Toluene	WEL 8-hr limit ppm: 50 WEL 15 min limit ppm: 100 WEL 8-hr limit mg/m3 total inhalable dust: - WEL 8-hr limit mg/m3 total respirable dust: -	WEL 8-hr limit mg/m3: 191 WEL 15 min limit mg/m3: 384 WEL 15 min limit mg/m3 total inhalable dust: - WEL 15 min limit mg/m3 total respirable dust: -

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Butanone	Long-term - inhalation - Systemic effects 600 mg/m ³ Long-term - dermal - Systemic effects 1161 mg/kg	
Hydrocarbons, C9, aromatics	Long-term - inhalation - Systemic effects 150 mg/m ³ Long-term - dermal - Systemic effects 25 mg/kg	
Toluene	Acute inhalation - Systemic effects 384 mg/m ³ Long-term - inhalation - Systemic effects 192 mg/m ³ Long-term - dermal - Systemic effects 384 mg/kg	Long-term - inhalation - Local effects 192 mg/cm ³

Exposure Pattern - General population

Butanone	Long-term - inhalation - Systemic effects 106 mg/m ³ Long-term - dermal - Systemic effects 412 mg/kg	Long-term - oral - Systemic effects 31 mg/kg
Hydrocarbons, C9, aromatics	Long-term - inhalation - Systemic effects 32 mg/m ³ Long-term - dermal - Systemic effects 11 mg/kg	Long-term - oral - Systemic effects 11 mg/m ³
Toluene	Acute inhalation - Systemic effects 226 mg/m ³ Long-term - inhalation - Systemic effects 56.5 mg/m ³ Long-term - dermal - Systemic effects 226 mg/m ³	Long-term - inhalation - Local effects 56.5 mg/m ³ Long-term - oral - Systemic effects 8.13 mg/m ³


8.2. Exposure controls

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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment.
8.2.2. Individual protection measures	Wear chemical protective clothing. Adopt best Manual Handling considerations when handling, carrying and dispensing. Suitable foot protection e.g. boots.
Eye / face protection	safety glasses with side-shields.
Skin protection - Handprotection	Chemical resistant gloves. Neoprene gloves.
Skin protection - Other	After contact with skin, wash immediately with plenty of soap and water.
Respiratory protection	Wear suitable respiratory equipment when necessary. Suitable half mask respirator with filter P3 (EN 141A1/A2).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear/Colourless
Odour	Slight/Aromatic
Vapour pressure	> 10 mmHg
Vapour density	> 1 at 101kPa
Partition coefficient	No data available
Autoignition temperature	> 400 °C
Viscosity	No data available
Explosive properties	None
Oxidising properties	None
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	> 80 °C
Flash point	< 10 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Solubility	Immiscible in water

9.2. Other information

Specific gravity	0.838 - 0.858 g/cm ³
VOC (Volatile organic compounds)	848 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	Highly flammable liquid and vapour. Risk of explosion by shock, friction, fire or other sources of ignition.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Will not polymerize.

10.4. Conditions to avoid

Avoid sparks, flames, heat and sources of ignition.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

Will not decompose if stored and used as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Prolonged or repeated exposure may cause: Irritant, moderate skin.
Serious eye damage/irritation	Irritating to eyes.
Respiratory or skin sensitisation	No sensitization effects reported.
Germ cell mutagenicity	Toluene: Animal testing. showed mutagenic and teratogenic effects.
Carcinogenicity	No carcinogenic effects reported. Toluene: Not classifiable as a human carcinogen.
Reproductive toxicity	Possible risk of harm to the unborn child.
STOT-single exposure	May cause drowsiness or dizziness. May cause irritation to respiratory system.
STOT-repeated exposure	Component(s) causes damage to human organs. Toluene.
Aspiration hazard	May be fatal if swallowed and enters airways.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause: Skin irritation and dermatitis. Danger of serious damage to health by prolonged exposure.

11.1.4. Toxicological Information

Butanone	Inhalation Rat LC50/4 h: 34 mg/l Dermal Rabbit LD50: >5000 mg/kg	Oral Rat LD50: >2193 mg/kg
Hydrocarbons, C9, aromatics	Inhalation Rat LC50/4 h: >6193mg/m3 Dermal Rabbit LD50: >3160mg/kg	Oral Rat LD50: 3492mg/kg
Toluene	Inhalation Rat LC50/4 h: 28.1mg/l Dermal Rabbit LD50: >5000mg/kg	Oral Rat LD50: 5580mg/kg

11.1.7. Information on likely routes of exposure

Dermal. Skin Absorption. Inhalation.

Further information

Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Vapour. May cause drowsiness or dizziness. Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system. Irritating to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Butanone	Daphnia EC50/48h: 308.0000 mg/l Fish LC50/96h: 2993.0000 mg/l NOEC / EC10 for marine or freshwater organisms: 55.8 mg/l	Algae IC50/72h: 1972 mg/l
Hydrocarbons, C9, aromatics	Daphnia EC50/48h: 3.2000 mg/l Fish LC50/96h: 9.2000 mg/l	Algae IC50/72h: 2.9000 mg/l
Toluene	Daphnia EC50/48h: 84 mg/l NOEC / EC10 for marine or freshwater organisms: 0.68 mg/l	Fish LC50/96h: 5.5 mg/l

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12.1. Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Readily biodegradable.

PBT

Butanone	T1/2 in marine water 55.8 days	T1/2 in soil 22.5 days
Toluene	T1/2 in marine sediment 16.39 days	T1/2 in fresh - or estuarine sediment 16.39 days
	T1/2 in soil 2.89 days	

12.3. Bioaccumulative potential

Not determined.

BCF: Bioconcentration factor.

Toluene BCF: Bioconcentration factor. 90 L/kg

Partition coefficient

Marbocote Mould Cleaner No data available Hydrocarbons, C9, aromatics No data available

12.4. Mobility in soil

Not determined.

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.

12.6. Other adverse effects

None.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Disposal of packaging

This material and its container must be disposed of as hazardous waste.

Further information

Do NOT reuse empty containers.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1993

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14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Alkyl C3 benzenes, cymenes mixture)

14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

Packing group	II
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

ADR/RID

Hazard ID	33
Tunnel Category	(D/E)

IMDG

EmS Code	F-E S-E
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IATA

Packing Instruction (Cargo)	364
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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15.2. Chemical safety assessment

	A Chemical Safety Assessment has been carried out for the substance(s) that makes/make up this material.
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Further information

	The following substance(s) in this product is (are) identified by the CAS number(s) shown in countries not subject to the REACH regulation.
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SECTION 16: Other information**Other information**

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 2 - 2.1. Classification of the substance or mixture. 2 - Hazard pictograms. 14 - ADR/RID. 14 - IMDG. 14 - IATA. 15 - Labelling. 15 - Hazard Statement.
Text of Hazard Statements in Section 3	<p>EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation. Repr. 2: H361d - Suspected of damaging the unborn child. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .</p>

Further information

	<p>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.</p>
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