

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

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Marbocote 227-CEE

Revision 1

Revision date 2015-05-26

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

1.1. Product identifier

Product name Marbocote 227-CEE

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; [PC24] Lubricants, greases, release products; [PROC10] Roller application or brushing; [ERC4] Industrial use of processing aids in processes and products, not becoming part of articles;

Description Industrial Mould Release Agent.

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

2.1.1. Classification - 67/548/EEC F; R11 Xn; R65 Xi; R38 N; R51/53 R66-67
Symbols: F: Highly flammable. Xn: Harmful. N: Dangerous for the environment.

Main hazards Highly flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

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

2.2. Label elements



Signal Word Danger

Hazard Statement EUH066 - Repeated exposure may cause skin dryness or cracking.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

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2.2. Label elements

Precautionary Statement: Prevention	Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Irrit. 2: H315 - Causes skin irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. 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. 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.
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

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics			920-750-0	01-2119473851-33	50 - 60%	F; R11 Xn; R65 N; R51/53 R66-67	
Hydrocarbons, C7-C9, isoalkanes			921-728-3	01-2119471305-42	40 - 50%	F; R11 Xn; R65 Xi; R38 N; R51/53 R67	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics			920-750-0	01-2119473851-33	50 - 60%	EUH066; Flam. Liq. 2: H225; Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 2: H411;	
Hydrocarbons, C7-C9, isoalkanes			921-728-3	01-2119471305-42	40 - 50%	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411;	

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	Vapours may cause drowsiness and dizziness.
Eye contact	May cause irritation 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	If medical advice is needed, have product container or label at hand.
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4.3. Indication of any immediate medical attention and special treatment needed

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.

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 (CO ₂), Dry chemical, Foam. Do NOT use water jet.
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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. Evacuate personnel to a safe area. Eliminate all sources of ignition. Wear suitable protective equipment.
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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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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. 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.
Suitable packaging	Store in original container.

7.3. Specific end use(s)

	Industrial Mould Release Agent.
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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

Hydrocarbons, C7-C9, isoalkanes	WEL 8-hr limit ppm: 241	WEL 8-hr limit mg/m3: 1200
	WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	WEL 8-hr limit ppm: 326	WEL 8-hr limit mg/m3: 1400
	WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

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	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear chemical protective clothing. Suitable foot protection e.g. boots.
Eye / face protection	safety glasses with side-shields.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
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

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear/Light yellow
Odour	Characteristic
Odour threshold	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	90 - 165 °C
Flash point	< 10 °C
Evaporation rate	< 2.4 (n-butyl acetate =1)
Flammability (solid, gas)	No data available
Upper Explosive Limit	7 %
Lower Explosive Limit	0.7 %
Vapour pressure	> 10 mmHg
Vapour density	> 1 at 101kPa
Partition coefficient	No data available
Autoignition temperature	> 200 °C
Viscosity	0.5 cSt (ASTM D7042)
Explosive properties	none
Oxidising properties	none
Solubility	Immiscible in water

9.2. Other information

Specific gravity	0.733 g/cm ³
VOC (Volatile organic compounds)	724 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	See section below for further information.
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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.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition.
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10.5. Incompatible materials

	Strong oxidising agents.
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10.6. Hazardous decomposition products

	Will not decompose if stored and used as recommended.
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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	May cause irritation to eyes.
Respiratory or skin sensitisation	No sensitization effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.

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11.1. Information on toxicological effects

Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not expected to cause organ damage from prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause: Skin irritation and dermatitis.

11.1.4. Toxicological Information

Hydrocarbons, C7-C9, isoalkanes	Inhalation Rat LC50/4 h: >21mg/l Dermal Rabbit LD50: >2000mg/kg	Oral Rat LD50: >5000mg/kg
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	Inhalation Rat LC50/4 h: >23.3mg/l Dermal Rabbit LD50: >2800mg/kg	Oral Rat LD50: >5000mg/kg

11.1.7. Information on likely routes of exposure

	Inhalation. Dermal.
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Further information

	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Vapour. May cause dizziness and headache., Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system., Irritating to eyes.
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SECTION 12: Ecological information

12.1. Toxicity

Hydrocarbons, C7-C9, isoalkanes	Daphnia EC50/48h: 2.4000 mg/l Fish LC50/96h: 18.4000 mg/l	Algae IC50/72h: 29.0000 mg/l
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	Daphnia EC50/48h: 3.0000 mg/l Fish LC50/96h: 13.4000 mg/l	Algae IC50/72h: 10 mg/l

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

	Not determined.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	Marbocote 227-CEE No data available Hydrocarbons, C7-C9, isoalkanes No data available	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics No data available
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12.4. Mobility in soil

	No data is available on this product.
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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.
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12.6. Other adverse effects

	None.
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SECTION 13: Disposal considerations

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General information

	Dispose of in compliance with all local and national regulations.
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Disposal methods

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

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

	Do NOT reuse empty containers.
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SECTION 14: Transport information

Hazard pictograms

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14.1. UN number

	UN1993
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14.2. UN proper shipping name

	FLAMMABLE LIQUID, N.O.S. (Aliphatic Hydrocarbons contains Octanes)
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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

14.6. Special precautions for user

	Not applicable.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	Not applicable.
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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

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IATA	
Packing Instruction (Passenger)	353
Maximum quantity	5 L

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. Hydrocarbons, C7-C9, isoalkanes (CAS 90622-56-3). Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (CAS 64742-49-0).
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SECTION 16: Other information**Other information**

Revision	This document differs from the previous version in the following areas:. 2 - Precautionary Statement: Disposal. 12 - 12.4. Mobility in soil. 12 - 12.3. Bioaccumulative potential.
Text of risk phrases in Section 3	R11 - Highly flammable. R38 - Irritating to skin. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	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. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation.
Maximum content of VOC	724 g/l.

Further information

	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.
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