



\*Certificazione UNI-EN 14001 riferita ai siti di Pogliano Milanese e di Leini\*

Revision nr.11  
Dated 30/08/2007  
Printed on 11/10/2007  
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# Safety Data Sheet

## 1. Identification of the substance / preparation and the Company

### 1.1 Identification of the substance or preparation

Product name **MCOTE CLEANER MC**  
Chemical name and synonym **PREPARATION SOLVENT BASED**

### 1.2 Use of the substance / preparation

Intended use **DILUENT**

### 1.3 Company identification

Name **MARBO ITALIA S.p.A.**  
Full address **Via T.Tasso 25/27**  
District and Country **20010 Pogliano Milanese MI**  
**ITALIA**  
Tel. **+39 02 93961.1**  
Fax **+39 02 93550048**

e-mail address of the competent person **info@gruppomarbo.com**

Product distribution by **MARBO ITALIA S.p.A.**

### 1.4 Emergency telephone

## 2. Hazards Identification

### 2.1 Substance/Preparation Classification

This preparate is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this preparate requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: **Xn-F-N**  
Phrases R: **11 - 36/38 - 48/20 - 51/53 - 63 - 65 - 66 - 67**

### 2.2 Danger Identification

Because of its chemical-physical features, this product is graded as highly flammable (flash-point below 21 °C).

IRRITATING TO EYES AND SKIN.

HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE THROUGH INHALATION.

TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

POSSIBLE RISK OF HARM TO THE UNBORN CHILD.

HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.



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VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

### 3. Composition / Information on ingredients

Contains:

Name	Concentration C	Classification
<b>TOLUENE</b>	30,00<= C <45,00	Xn R48/20
<i>C.A.S. number</i> 108-88-3		Xn R63
<i>EEC number</i> 203-625-9		Xn R65
<i>INDEX number</i> 601-021-00-3		Xi R38
		R67
		F R11
		Repr. Cat. 3
		Note 4
<b>BUTANONE</b>	30,00<= C <45,00	Xi R36
<i>C.A.S. number</i> 78-93-3		R66
<i>EEC number</i> 201-159-0		R67
<i>INDEX number</i> 606-002-00-3		F R11
<b>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM</b>	30,00<= C <45,00	Xn R65
<i>C.A.S. number</i> 64742-95-6		R10
<i>EEC number</i> 265-199-0		R66
<i>INDEX number</i> 649-356-00-4		R67
		N R51/53
		Note H P 4

The complete text of -R- phrases is specified in section 16.

### 4. First aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

INHALATION: Remove to open air. If breathing is irregular, seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

### 5. Fire-fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures, refer to the other sections of this sheet.

Extinguishing measures: CO<sub>2</sub>, foam, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

### 6. Accidental release measures

Exclude sources of ignition. Cover with inert absorbent material. Collect spillages by means of sparkproof equipment. Use water only to remove residuals, so as not to run the risk of entering the sewer.



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Do not let the product dry. Contaminated clothes must be left to soak in water before washing. In order to choose safety measures and protection equipment, please see the other sections of this sheet.

Spillage in waters: remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

## 7. Handling and storage

Avoid the accumulation of electrostatic charges. Store the containers sealed and in a well ventilated place. Vapours may ignite with explosion, it is therefore necessary to avoid accumulation keeping the windows and doors open, ensuring crossventilation.

Without adequate ventilation, the vapours may accumulate at the bottom and ignite at a distance, if triggered off, with the risk of flashback. Keep far away from sources of heat, sparks and naked flames. Do not smoke, use matches or lighters. Keep the containers earthed while decanting and wear antistatic boots.

Vigorous stirring and flow through the pipings and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product. In order to avoid the risk of fire outbreak and explosion never use compressed air during movement.

## 8. Exposure control / personal protection.

### 8.1 Exposure limit values

Product name	Type	State	TWA/8h		STEL/15min		
			mg/m3	ppm	mg/m3	ppm	
TOLUENE	TLV-ACGIH		188				Skin
	OEL	EU	192	50	384	100	Skin
	OEL	IRL		50		150	Skin
	WEL	UK		50		150	Skin
BUTANONE	TLV-ACGIH		590		885		Skin
	OEL	EU	600				Skin
	OEL	IRL		200		300	Skin
	WEL	UK		200		300	Skin

### 8.2 Exposure controls

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures, such as: masks suitable for the product, goggles, gloves and overall. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

## 9. Physical and chemical properties

Colour	COLOURLESS
Odour	TYPICAL
Appearance	LIQUID
Solubility	PARTIALLY SOLUBLE
Viscosity	N.A.
Vapour density	N.A.
Evaporation Rate	N.A.
Reactive Properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	N.A.
Flash point	< 21 °C
Explosive properties	N.A.
Vapour pressure	N.A.



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Specific gravity	0,857	Kg/l		
VOC (Directive 1999/13/EC) :	100,00	%	-	857,00 g/litre of preparation
VOC (volatile carbon) :	80,50	%	-	689,88 g/litre of preparation

## 10. Stability and reactivity

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbonoxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

Toluene is biodegradable in water and degrades when exposed to sunlight. Toluene reacts with sulfuric acid with the development of heat.

Methylethyl ketone reacts with light metals such as, aluminium and strong oxidizing agents. It attacks different types of plastic materials.

## 11. Toxicological information

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Vapour inhalation may slightly irritate the upper respiratory tract. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

This product may cause functional disorders or morphological mutations after repeated or prolonged exposure by inhalation of a quantity of 0.25 mg/l/6h/day or lower.

This product must be handled carefully because of its possible teratogenic effects, which may be toxic and damage the foetus development.

The introduction of even small quantities of this liquid into the respiratory system in case of ingestion or vomit may cause bronchopneumonia and pulmonary edema.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure.

Toluene: it has a toxic effect on the central and peripheral nervous system (with encephalopathies and polyneuritis).

Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

## 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it may even have negative effects on the aquatic environment.

## 13. Disposal consideration

Consider the possibility of burning the product in a suitable incinerator.

Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

## 14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:  
ADR/RID: 3 UN:1263  
Packing Group: II  
Label: 3  
Nr. Kemler: 33  
Special Provision: 640D  
Proper Shipping Name: Paint or paint related material

Carriage by sea (shipping):  
IMO class: 3 UN:1263  
Packing Group: II  
Label: 3  
EMS: F-E, S-E  
Marine Pollutant  
Proper Shipping Name: Paint or paint related material

Transport by air:  
IATA: 3 UN:1263  
Packing Group: II  
Label: 3  
Cargo:  
Packaging instructions: 307 Maximum quantity: 60 L  
Pass.:  
Packaging instructions: 305 Maximum quantity: 5 L

## 15. Regulatory information

Xn



HARMFUL

F



HIGHLY FLAMMABLE

N



DANGEROUS FOR THE ENVIRONMENT

- R11** HIGHLY FLAMMABLE.  
**R36/38** IRRITATING TO EYES AND SKIN.  
**R48/20** HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE THROUGH INHALATION.  
**R51/53** TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.  
**R63** POSSIBLE RISK OF HARM TO THE UNBORN CHILD.  
**R65** HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.  
**R66** REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.  
**R67** VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.  
**S13** KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.  
**S16** KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.  
**S25** AVOID CONTACT WITH EYES.  
**S29** DO NOT EMPTY INTO DRAINS.  
**S61** AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.  
**S62** IF SWALLOWED, DO NOT INDUCE VOMITING: SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

Contains:  
TOLUENE  
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM

Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/EC.



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## 16. Other information

Text of -R- phrases quoted in section 3 of the sheet.

<b>R48/20</b>	HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE THROUGH INHALATION.
<b>R63</b>	POSSIBLE RISK OF HARM TO THE UNBORN CHILD.
<b>R65</b>	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
<b>R38</b>	IRRITATING TO SKIN.
<b>R67</b>	VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.
<b>R11</b>	HIGHLY FLAMMABLE.
<b>R36</b>	IRRITATING TO EYES.
<b>R66</b>	REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.
<b>R51/53</b>	TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
<b>R10</b>	FLAMMABLE.

### GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments;
2. Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

### Changes to previous review

The following sections were modified:

03/08