

**MECCANOCAR ITALIA S.R.L.**

411 00 17600-4430 - DASHBOARD CLEANER WITH SILICONE

Revision nr.1
Dated 9/1/2014
Printed on 10/1/2014
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Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 411 00 17600-4430
Product name: DASHBOARD CLEANER WITH SILICONE

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

Intended use: Dashboard cleaner in aerosol

1.3. Details of the supplier of the safety data sheet

Name: MECCANOCAR ITALIA S.R.L.
Full address: Via San Francesco, 22
District and Country: 56033 Capannoli (PI)
ITALY
Tel.: +39 0587 609433
Fax: +39 0587 607145
e-mail address of the competent person responsible for the Safety Data Sheet: moreno.meini@meccanocar.it

1.4. Emergency telephone number

For urgent inquiries refer to: +39 0587 609433

2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Danger Symbols: F+-Xi-N

R phrases: 12-38-51/53-67

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

2.2. Label elements.

Hazard labelling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.



IRRITANT



EXTREMELY FLAMMABLE



DANGEROUS FOR THE ENVIRONMENT

R12 EXTREMELY FLAMMABLE.
R38 IRRITATING TO SKIN.
R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

S9 KEEP CONTAINER IN A WELL-VENTILATED PLACE.
S16 KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
S24 AVOID CONTACT WITH SKIN.
S29/56 DO NOT EMPTY INTO DRAINS, DISPOSE OF THIS MATERIAL AND ITS CONTAINER AT HAZARDOUS OR SPECIAL WASTE COLLECTION POINT.
S33 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on bright flame or any incandescent material.
Keep away from heat / sparks / open flames / hot surfaces. No smoking.



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Keep out of the reach of the children.

2.3. Other hazards.

Information not available.

3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
DISTILLATES (PETROLEUM), C6-RICH			
CAS. 93165-19-6	70 - 74	Carc. Cat. 2 R45, Muta. Cat. 2 R46, Xn R65	
EC. 296-903-4			
INDEX. -			
CYCLOPENTANE			
CAS. 287-92-3	10,5 - 12	R52/53, F R11	
EC. -			
INDEX. -			
1,2-DICHLOROPROPANE			
CAS. 78-87-5	7 - 8	F R11, Xn R20/22	Flam. Liq. 2 H225, Acute Tox. 4 H332, Acute Tox. 4 H302
EC. 201-152-2			
INDEX. 602-020-00-0			
N-HEXANE			
CAS. 110-54-3	2 - 2,5	Repr. Cat. 3 R62, R67, F R11, Xn R48/20, Xn R65, Xi R38, N R51/53	Flam. Liq. 2 H225, Repr. 2 H361f, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411
EC. 203-777-6			
INDEX. 601-037-00-0			
CARBON DIOXIDE			
CAS. 124-38-9	2 - 2,5		Substance with a community workplace exposure limit.
EC. 204-696-9			
INDEX. -			

T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

4. First aid measures.

4.1. Description of 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.

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

For symptoms and effects caused by the contained substances see chap. 11.

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

Follow doctor's orders.

5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should contain carbon dioxide, foam or chemical powders. For product leaks and spills that have not caught nebulised water can be used to dispel flammable fumes and protect the individuals taking part in stemming the leak.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion.



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Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health.

Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with ties around arms, legs and waist) work gloves (fireproof, cut proof and dielectric), self-respirator (self-protector).

6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage.

7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities.

Normal storage conditions without particular incompatibilities.

7.3. Specific end use(s).

Information not available.

8. Exposure controls/personal protection.

8.1. Control parameters.

Name	Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	
1,2-DICHLOROPROPANE	TLV-ACGIH			10			
	OEL	IRL		75		110	
BUTANE	TLV-ACGIH			1000			
	OEL	IRL		600		750	
	WEL	UK		600		750	
N-HEXANE	TLV-ACGIH			50			Skin
	OEL	EU	72	20			Skin
	OEL	IRL		20			Skin
	WEL	UK		20			Skin
PROPANE	TLV-ACGIH			1000			
CARBON DIOXIDE	TLV-ACGIH			5000		30000	
	OEL	EU	9000	5000			
	OEL	IRL		5000		15000	
	WEL	UK		5000		15000	

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use.

Personal protection equipment must comply with the rules in force indicated below.

HAND PROTECTION



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Protect hands with category III (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVA, butyl, fluoroelastomer or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

EYE PROTECTION

Wear hood visor or protective visor together with airtight goggles (ref. standard EN 166).

SKIN PROTECTION

Wear category III professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.

RESPIRATORY PROTECTION

If the threshold value (if available) for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear an FFP3 (ref. standard EN 141/EN 143) type half mask.

The use of respiratory tract protection equipment, such as masks like that indicated above, is necessary to reduce worker exposure in the absence of technical measures. The protection provided by masks is in any case limited.

If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask mouthpiece (ref. standard EN 138).

An emergency eye washing and shower system must be provided.

The product must be used in a closed cycle, in well-aired environments fitted with strong localised aspiration systems (capture speed > 1.5 m/s), otherwise it is compulsory to use the personal protection equipment indicated and always in well-aired environments fitted with strong localised aspiration systems (capture speed > 1.5 m/s).

9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	aerosol
Colour	colourless
Odour	aromatic
Odour threshold.	Not available.
pH.	Not available.
Melting or freezing point.	< -100 °C.
Initial boiling point.	> -42 °C.
Boiling range.	Not available.
Flash point.	< -80 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	1,8 % (V/V).
Upper explosive limit.	9,5 % (V/V).
Vapour pressure.	Not available.
Vapour density	Not available.
Specific gravity.	0,700 Kg/l
Solubility	insoluble in water
Partition coefficient: n-octanol/water	Not available.
Ignition temperature.	400 °C.
Decomposition temperature.	Not available.
Viscosity	Not available.
Reactive Properties	Not available.

9.2. Other information.

Information not available.

10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

1,2-DICHLOROPROPANE: decomposes on contact with flames or red hot surfaces.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

The vapours may also form explosive mixtures with the air.

1,2-DICHLOROPROPANE: risk of explosion on contact with: aluminium and metal powders. It may react dangerously with: alkaline metals, alkaline earth metals, sodium amides. Forms explosive mixtures with the air.

10.4. Conditions to avoid.

Avoid overheating, electrostatic discharge and all sources of ignition.



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10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

1,2-DICHLOROPROPANE: hydrochloric acid.

11. Toxicological information.

11.1. Information on toxicological effects.

Acute effects: 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 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.

N-HEXANE: the chronic toxic effect involves the peripheral and central nervous system; this is also affected by an acute effect. Irritating effect is observed on the respiratory apparatus, conjunctivae and skin.

N-HEXANE

LD50 (Oral): 5000 mg/kg Rat

LD50 (Dermal): 3000 mg/kg Rabbit

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 aquatic environment.

12.1. Toxicity.

Information not available.

12.2. Persistence and degradability.

Information not available.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

Information not available.

12.6. Other adverse effects.

Information not available.

13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

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.



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Road and rail transport:

ADR/RID Class: 2 UN: 1950
Packing Group: III
Label: 5F
Limited Quantity: 2
Proper Shipping Name: AEROSOLS, flammable



Carriage by sea (shipping):

IMO Class: 2.1 UN: 1950
Packing Group: III
Label: 5F
EMS: F-D, S-U
Marine Pollutant: NO
Proper Shipping Name: AEROSOLS, flammable



Transport by air:

IATA: 2 UN: 1950
Packing Group: III
Label: 5F
Proper Shipping Name: AEROSOLS, flammable

15. Regulatory information.

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

Seveso category. 8, 2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

Point. 40

Contained substance.

Point. 28-29 DISTILLATES (PETROLEUM), C6-RICH
Point. 28-29 BUTANE
Point. 28-29 ISOBUTANE

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Healthcare controls.

Workers exposed to this health-dangerous chemical agent must undergo sanitary checks carried out in compliance with 2004/37/EC directive.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Repr. 2	Reproductive toxicity, category 2
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity category 2
H225	Highly flammable liquid and vapour.
H361f	Suspected of damaging fertility.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.



H411 Toxic to aquatic life with long lasting effects.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R11 HIGHLY FLAMMABLE.
R12 EXTREMELY FLAMMABLE.
R20/22 HARMFUL BY INHALATION AND IF SWALLOWED.
R38 IRRITATING TO SKIN.
R45 MAY CAUSE CANCER.
R46 MAY CAUSE HERITABLE GENETIC DAMAGE.
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.
R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R62 POSSIBLE RISK OF IMPAIRED FERTILITY.
R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. The Merck Index. - 10th Edition
8. Handling Chemical Safety
9. Niosh - Registry of Toxic Effects of Chemical Substances
10. INRS - Fiche Toxicologique (toxicological sheet)
11. Patty - Industrial Hygiene and Toxicology
12. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
13. ECHA website

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.