

# Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

## SECTION 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 SILICON

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

Intended use: Plastic parts cleaner

### 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](mailto:moreno.meini@meccanocar.it)

### 1.4. Emergency telephone number

For urgent inquiries refer to: National Poisons Information Service: +44 121 507 4123

## 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 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Aerosol, category 1	H222 H229	Extremely flammable aerosol. Pressurised container: may burst if heated.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment, chronic toxicity, category 2	H411	Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

**DASHBOARD CLEANER WITH SILICON**

Hazard pictograms:



Signal words:

Danger

Hazard statements:

<b>H222</b>	Extremely flammable aerosol.
<b>H229</b>	Pressurised container: may burst if heated.
<b>H315</b>	Causes skin irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

<b>P210</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>P251</b>	Do not pierce or burn, even after use.
<b>P410+P412</b>	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
<b>P211</b>	Do not spray on an open flame or other ignition source.
<b>P331</b>	Do NOT induce vomiting.
<b>P301+P310</b>	IF SWALLOWED: immediately call a POISON CENTER / doctor.

**Contains:** HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE  
BENZENE DERIVATIVES, MONO-C10-13-ALCHILE

**2.3. Other hazards**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**SECTION 3. Composition/information on ingredients****3.2. Mixtures**

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
<b>HYDROCARBONS, C6, ISOALKANS, &lt;5% N-HEXANE</b> CAS 64742-49-0 EC 931-254-9 INDEX - Reg. no. 01-2119484651-34-XXXX	78 ≤ x < 82	Asp. Tox. 1 H304, EUH066
<b>HYDROCARBONS C4</b> CAS 87741-01-3 EC 289-339-5 INDEX 649-113-00-2	9 ≤ x < 10,5	Flam. Gas 1A H220, Press. Gas H280, Classification note according to Annex VI to the CLP Regulation: H K U

**DASHBOARD CLEANER WITH SILICON**

Reg. no. 01-2119475607-28-XXXX

**CARBON DIOXIDE**CAS 124-38-9                       $4 \leq x < 4,5$                       Press. Gas (Liq.) H280

EC 204-696-9

INDEX -

**PROPANE**CAS 74-98-6                       $4 \leq x < 4,5$                       Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U

EC 200-827-9

INDEX 601-003-00-5

Reg. no. 01-2119486944-21-XXXX

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**CAS 84961-70-6                       $4 \leq x < 4,5$                       Asp. Tox. 1 H304

EC 284-660-7

INDEX -

Reg. no. 01-2119485843-26-XXXX

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

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 8,00 %

**SECTION 4. First aid measures****4.1. Description of first aid measures**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

**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**

Information not available

**SECTION 5. Firefighting measures****5.1. Extinguishing media****SUITABLE EXTINGUISHING EQUIPMENT**

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

None in particular.

**DASHBOARD CLEANER WITH SILICON****5.2. Special hazards arising from the substance or mixture****HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

**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.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**SECTION 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

**6.2. Environmental precautions**

Do not disperse in the environment.

**6.3. Methods and material for containment and cleaning up**

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. 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.

**SECTION 7. Handling and storage****7.1. Precautions for safe handling**

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

**7.3. Specific end use(s)**

Information not available

**DASHBOARD CLEANER WITH SILICON****SECTION 8. Exposure controls/personal protection****8.1. Control parameters**

## Regulatory References:

ESP	España	LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2019 (INSST)
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Third edition,published 2018)
ITA	Italia	DIRETTIVA (UE) 2017/164 DELLA COMMISSIONE del 31 gennaio 2017
NOR	Norge	Fastsatt av Arbeids- og sosialdepartementet 21. august 2018 med hjemmel i lov 17. juni 2005 nr. 62 om arbeidsmiljø, arbeidstid, stillingsvern mv. (arbeidsmiljøloven) § 1-3, § 1-4 og § 4-5
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diário da República, 1.ª série - N.º 111 - 11 de junho de 2018
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2019

**HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE****Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH		1441	400			

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				1301 mg/kg bw/d				
Inhalation				1131 mg/m3				5306 mg/m3
Skin				1377 mg/kg bw/d				13964 mg/kg bw/d

**HYDROCARBONS C4****Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH			1000			

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				0,0664 mg/m3				2,21 mg/m3
Skin								23,4 mg/kg bw/d

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

## Predicted no-effect concentration - PNEC

Normal value in fresh water	0,001	mg/l
Normal value in marine water	0,0001	mg/l
Normal value for fresh water sediment	1,65	mg/kg
Normal value for marine water sediment	0,165	mg/kg
Normal value for water, intermittent release	0,001	mg/l
Normal value of STP microorganisms	2	mg/l

**DASHBOARD CLEANER WITH SILICON**

Normal value for the terrestrial compartment

0,329

mg/kg

**Health - Derived no-effect level - DNEL / DMEL**Effects on  
consumersEffects on  
workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				2,2 mg/kg bw/d				
Inhalation				1,6 mg/m3				3,2 mg/m3
Skin				0,23 mg/kg bw/d				4,3 mg/kg bw/d

**PROPANE****Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	
VLA	ESP		1000	
TLV	NOR	900	500	
TLV-ACGIH			1000	

**CARBON DIOXIDE****Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	
VLA	ESP	9150	5000	
WEL	GBR	9150	5000	27400 15000
VLEP	ITA	9000	5000	
TLV	NOR	9000	5000	
VLE	PRT	9000	5000	
OEL	EU	9000	5000	
TLV-ACGIH		9000	5000	54000 30000

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

**8.2. Exposure controls**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

**HAND PROTECTION**

None required.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

**DASHBOARD CLEANER WITH SILICON****EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

**ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE**

Chemical resistant gloves are recommended. Nitrile, standards CEN EN 420 and EN 374 provide general requirements and lists of types of gloves.

**HYDROCARBONS C4**

Wear insulating gloves if contact with liquid is possible. The gloves selected must meet the European standard EN 511 for protection from the cold.

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

The choice of an appropriate glove depends not only on its material but also on other quality characteristics and is different from one manufacturer to another. Observe the instructions for permeability and breakthrough time provided by the glove supplier. Also take into consideration the specific local conditions in which the product is used, such as the danger of cuts, abrasions and contact times., Keep in mind that in daily use the durability of a chemical resistant protective glove can be considerably less than breakthrough time measured according to EN 374, due to numerous external influences.

**SECTION 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	liquid under pressure
Colour	transparent
Odour	characteristic, essence
Odour threshold	Not available
pH	Not available
Melting point / freezing point	< -100 °C
Initial boiling point	> -42 °C
Boiling range	-42 °C
Flash point	< -80 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	1,8 % (V/V)
Upper inflammability limit	9,5 % (V/V)
Lower explosive limit	Not available
Upper explosive limit	Not available

**DASHBOARD CLEANER WITH SILICON**

Vapour pressure	3,2 bar
Vapour density	>2
Relative density	0,7 Kg/l
Solubility	soluble in organic solvents
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	400 °C
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

**9.2. Other information**

Information not available

**SECTION 10. Stability and reactivity****10.1. Reactivity**

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

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**HYDROCARBONS C4**

Vapors can form an explosive mixture with air

**10.4. Conditions to avoid**

Avoid overheating.

**HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE**

Open flames and high energy ignition sources.

**HYDROCARBONS C4**

Heat, sparks, open flames, other sources of ignition and oxidizing conditions

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation. Extremes of temperature and direct sunlight.

**DASHBOARD CLEANER WITH SILICON**

**10.5. Incompatible materials**

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE

Strong oxidants.

HYDROCARBONS C4

Strong oxidizing agents, halogenated hydrocarbons, nitrogen dioxide, fluorine compounds, halogens (bromine, chlorine, fluorine), metal catalysts

BENZENE DERIVATIVES, MONO-C10-13-ALCHILE

Strong oxidizing agents

**10.6. Hazardous decomposition products**

HYDROCARBONS C4

Thermal decomposition can produce carbon oxides and other toxic gases and release heat and pressure

**SECTION 11. Toxicological information**

**11.1. Information on toxicological effects**

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

**DASHBOARD CLEANER WITH SILICON**

Not classified (no significant component)  
LD50 (Oral) of the mixture:  
Not classified (no significant component)  
LD50 (Dermal) of the mixture:  
Not classified (no significant component)

**HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE**

LD50 (Oral) > 25 mg/kg Rat

LD50 (Dermal) > 5 mg/kg Rabbit

LC50 (Inhalation) 73860 ppm/4h Rat

**HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE**

Method: Equivalent or similar to OECD 401  
Reliability: 1  
Species: Rat (Sprague-Dawley; male / female)  
Route of exposure: Oral  
Results: LD50:> 5 000 mg / kg bw  
Method: Equivalent or similar to OECD 403  
Reliability: 1  
Species: Rat (Crj; CD (SD); male / female)  
Route of exposure: Inhalation (vapors)  
Results: LC50:> 4 951 mg / m<sup>3</sup> air  
Method: Equivalent or similar to OECD 402  
Reliability: 1  
Species: Rat (Crj; CD (SD); male / female)  
Route of exposure: Dermal  
Results: LD50:> 2 000 mg / kg bw

**HYDROCARBONS C4**

Method: Not indicated-Read across  
Reliability: 2  
Species: Rat (Alderley Park; male / female)  
Route of exposure: Inhalation  
Results: LC50 = 1443 mg / L air

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

Method: OECD 401  
Reliability: 1  
Species: Rat (Wistar; male / female)  
Route of exposure: Oral  
Results: LD50> 2000 mg / kg bw  
Method: Sema. 1988. Manual of tests for assessing chemical agents toxicity, 1 ed. Brasilia: MHU.  
Reliability: 2  
Species: Rat (Wistar; male / female)  
Route of exposure: Dermal  
Results: LD50> 3600 mg / kg bw

**PROPANE**

Method: To study the concentrations at which the effects of the CNS occur following exposure by inhalation to propane by measuring LC50 (15 min) and EC50 (CNS) (10 min) in rats.  
Reliability: 2

**DASHBOARD CLEANER WITH SILICON**

Species: Rat (Alderley Park (SPF); male / female)  
Route of exposure: Inhalation  
Results: LC50> 800 000 ppm

SKIN CORROSION / IRRITATION

Causes skin irritation

HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE

Method: OECD 404  
Reliability: 1  
Species: Rabbit (New Zealand White)  
Route of exposure: Dermal  
Results: Irritating

BENZENE DERIVATIVES, MONO-C10-13-ALCHILE

Method: OECD 404  
Reliability: 1  
Species: Rabbit (New Zealand White)  
Route of exposure: Dermal  
Results: Not classified

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE

Method: OECD 405  
Reliability: 1  
Species: Rabbit (New Zealand White)  
Route of exposure: Ocular  
Results: Not irritating

BENZENE DERIVATIVES, MONO-C10-13-ALCHILE

Method: OECD 405  
Reliability: 1  
Species: Rabbit (New Zealand White)  
Route of exposure: Ocular  
Results: Not classified

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE

Method: Equivalent or similar to OECD 406  
Reliability: 2  
Species: guinea pig (Hartley; female)  
Route of exposure: Dermal  
Results: Not sensitizing

BENZENE DERIVATIVES, MONO-C10-13-ALCHILE

**DASHBOARD CLEANER WITH SILICON**

Method: OECD 406  
Reliability: 1  
Species: guinea pig (Hartley; female)  
Route of exposure: Dermal  
Results: Not classified

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

## HYDROCARBONS, C6, ISOALKANS, &lt;5% N-HEXANE

Method: Equivalent or similar to OECD 471 - in vitro test  
Reliability: 1  
Species: S. typhimurium  
Results: Negative with and without metabolic activation  
Method: Equivalent or similar to OECD 474 - in vivo test  
Reliability: 1  
Species: Mouse (CD-1; male / female)  
Route of exposure: Oral  
Results: Negative

## HYDROCARBONS C4

Method: OECD 471-in vitro test-Read across  
Reliability: 1  
Species: S. typhimurium  
Results: Negative with and without metabolic activation  
Method: Not indicated - in vivo test - Read across  
Reliability: 2  
Species: Rat (Fischer 344; male)  
Route of exposure: Inhalation (gas)  
Results: Negative

## BENZENE DERIVATIVES, MONO-C10-13-ALCHILE

Method: OECD 473 in vitro test  
Reliability: 1  
Species: Chinese hamster  
Results: Negative with and without metabolic activation

## PROPANE

Method: OECD 471 in vitro test  
Reliability: 1  
Species: Histidine Salmonella  
Results: Negative with or without metabolic activation  
Method: OECD 474-test in vivo  
Reliability: 1  
Species: Rat (Sprague-Dawley CD; male / female)  
Route of exposure: Inhalation (gas)  
Results: Negative

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

## HYDROCARBONS, C6, ISOALKANS, &lt;5% N-HEXANE

Method: Equivalent or similar to OECD 403

**DASHBOARD CLEANER WITH SILICON**

Reliability: 1

Species: Rat (F344 / N; male / female)

Route of exposure: Inhalation (vapors)

Results: Negative. The NOAEC for rat females was determined to be 2200 mg / m3. The NOAEC for male rats was determined to be 138 mg / m3.

**HYDROCARBONS C4**

Method: Equivalent or similar to EPA OPP 83-5-Read across

Reliability: 1

Species: Rat (Fischer 344; male / female)

Route of exposure: Oral

Results: Negative

**REPRODUCTIVE TOXICITY**

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE

Method: OECD TG 413

Reliability: 1

Species: Rat (Fischer 344; male / female)

Route of exposure: Inhalation (vapors)

Results: Negative. NOAEC (fertility)  $\geq$  400 ppm

**HYDROCARBONS C4**

Method: OECD 422

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Inhalation (gas)

Results: Negative, NOAEC (fertility) = 16000 ppm

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

Method: OECD 422

Reliability: 1

Species: Rat (CrI: CD (SD); male / female)

Route of exposure: Oral

Results: Negative, NOAEL (fertility) = 1000 mg / kg bw / day

**PROPANE**

Method: OECD 413

Reliability: 1

Species: Rat (Sprague-Dawley CD; male / female)

Route of exposure: Inhalation

Results: NOAEC (fertility) 10 000 ppm

Adverse effects on development of the offspring

HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE

Method: Guidelines for Reproduction Studies for Safety and Evaluation of Drugs for Human Use, Segment II (Teratology Study)

Reliability: 1

Species: Rat (Sprague-Dawley)

Route of exposure: Inhalation (vapors)

Results: Negative. NOAEC (development)  $>$  = 300 ppm

**HYDROCARBONS C4**

**DASHBOARD CLEANER WITH SILICON**

Method: OECD 414

Reliability: 1

Species: Rat (Sprague-Dawley)

Route of exposure: Inhalation (gas)

Results: Negative, NOAEC (development) = 10426 ppm

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

Method: Equivalent or similar to OECD 414

Reliability: 1

Species: Rat (Sprague-Dawley)

Route of exposure: Oral

Results: NOAEL (development) = 400 mg / kg bw / day

**PROPANE**

Method: EPA OPPTS 870.3700

Reliability: 1

Species: Rat (VAF / Plus®, Sprague-Dawley Derived (CD®) CrI: CD® IGS BR)

Route of exposure: Inhalation (gas)

Results: NOAEC (development) 10 426 ppm

**STOT - SINGLE EXPOSURE**

May cause drowsiness or dizziness

**HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

**HYDROCARBONS C4**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

**PROPANE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

**CARBON DIOXIDE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

**STOT - REPEATED EXPOSURE**

Does not meet the classification criteria for this hazard class

**HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE**

Method: Equivalent or similar to OECD 422

Reliability: 1

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Oral

**DASHBOARD CLEANER WITH SILICON**

Results: Negative. NOAEL > = 1000 mg / kg / day  
 Method: Equivalent or similar to OECD 413  
 Reliability: 1  
 Species: Rat (albino; male / female)  
 Route of exposure: Inhalation (vapors)  
 Results: Negative. NOAEC = 10186 mg / m3

**HYDROCARBONS C4**

Method: OECD 413  
 Reliability: 1  
 Species: Rat (Sprague-Dawley; male / female)  
 Route of exposure: Inhalation (gas)  
 Results: Negative, NOAEC = 10000 ppm

**BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

Method: Equivalent or similar to OECD 408  
 Reliability: 1  
 Species: Rat (Sprague-Dawley; male / female)  
 Route of exposure: Oral  
 Results: Negative, NOAEL = 1000 ppm

**PROPANE**

Method: OECD 422  
 Reliability: 1  
 Species: Rat (Sprague-Dawley; male / female)  
 Route of exposure: Inhalation (gas)  
 Results: NOAEC 16 000 ppm

**CARBON DIOXIDE**

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

**ASPIRATION HAZARD**

Does not meet the classification criteria for this hazard class

**SECTION 12. Ecological information**

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

**12.1. Toxicity****BENZENE DERIVATIVES, MONO-C10-13-ALCHILE**

LC50 - for Fish	> 100 mg/l/96h
EC50 - for Crustacea	> 1,4 mg/l/48h
Chronic NOEC for Crustacea	1,4 mg/l
Chronic NOEC for Algae / Aquatic Plants	> 2,08 mg/l

**12.2. Persistence and degradability**

**DASHBOARD CLEANER WITH SILICON**

HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE

Rapidly degradable in water, 80% in 28 days.

BENZENE DERIVATIVES, MONO-C10-13-ALCHILE

Little degradable in water, 28% in 28 days.

PROPANE

Solubility in water 0,1 - 100 mg/l

Rapidly degradable

**12.3. Bioaccumulative potential**

PROPANE

Partition coefficient: n-octanol/water 1,09

**12.4. Mobility in soil**

Information not available

**12.5. Results of PBT and vPvB assessment**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**12.6. Other adverse effects**

Information not available

**SECTION 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.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

HYDROCARBONS, C6, ISOALKANS, <5% N-HEXANE

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain debris and may be hazardous. Do not attempt to fill or clean containers without proper instructions. Empty drums must be completely drained and stored safely until they are properly reconditioned or disposed of. Empty containers must be recycled, recovered or disposed of through an appropriately qualified or authorized contractor and in accordance with government regulations. DO NOT PRESSURIZE, CUT, WELD, BRAZE, WELD, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER IGNITION SOURCES. MAY EXPLODE AND CAUSE INJURY OR DEATH.

HYDROCARBONS C4

- Comply with applicable local, state or international regulations regarding the disposal of solid or hazardous waste and / or disposal of containers.
- Contaminated product, soil, water, container residues and spill cleaning materials can be hazardous waste.
- The contaminated product, soil or water must be considered dangerous due to the potential evolution of flammable vapor.
- Follow appropriate grounding procedures to avoid static electricity.
- The product must not be allowed to enter drains, water courses or the soil.

BENZENE DERIVATIVES, MONO-C10-13-ALCHILE

It can be incinerated if it complies with local regulations.

European Union waste code: EWC

A waste code compliant with the European Waste Catalog (EWC) cannot be assigned to this product as it only allows classification when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste authority or company.

**DASHBOARD CLEANER WITH SILICON****SECTION 14. Transport information****14.1. UN number**

ADR / RID, IMDG, 1950  
IATA:

**14.2. UN proper shipping name**

ADR / RID: AEROSOLS  
IMDG: AEROSOLS  
IATA: AEROSOLS, FLAMMABLE

**14.3. Transport hazard class(es)**

ADR / RID: Class: 2 Label: 2.1

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1

**14.4. Packing group**

ADR / RID, IMDG, -  
IATA:

**14.5. Environmental hazards**

ADR / RID: NO

IMDG: NO

IATA: NO

**14.6. Special precautions for user**

ADR / RID: HIN - Kemler: --

Limited  
Quantities: 1  
L

Tunnel  
restriction  
code: (D)

IMDG: Special Provision: -

EMS: F-D, S-U

Limited  
Quantities: 1  
L

IATA: Cargo:

Maximum  
quantity: 150  
Kg

Packaging  
instructions:  
203

Pass.:

Maximum  
quantity: 75  
Kg

Packaging  
instructions:  
203

Special Instructions:

A145, A167,  
A802

**DASHBOARD CLEANER WITH SILICON****14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Information not relevant

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: P3a-E2

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

Product

Point 40

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment**

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

**SECTION 16. Other information**

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

**Flam. Gas 1A** Flammable gas, category 1A

**DASHBOARD CLEANER WITH SILICON**

<b>Aerosol 1</b>	Aerosol, category 1
<b>Aerosol 3</b>	Aerosol, category 3
<b>Press. Gas</b>	Pressurised gas
<b>Press. Gas (Liq.)</b>	Liquefied gas
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>H220</b>	Extremely flammable gas.
<b>H222</b>	Extremely flammable aerosol.
<b>H229</b>	Pressurised container: may burst if heated.
<b>H280</b>	Contains gas under pressure; may burst if heated.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H315</b>	Causes skin irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

## LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament

**DASHBOARD CLEANER WITH SILICON**

7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
  10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
  12. Regulation (EU) 2016/1179 (IX Atp. CLP)
  13. Regulation (EU) 2017/776 (X Atp. CLP)
  14. Regulation (EU) 2018/669 (XI Atp. CLP)
  15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
  16. Regulation (EU) 2019/521 (XII Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA website
  - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

**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.

Provide appointed staff with adequate training on how to use chemical products.

Product's classification is based on the calculation methods set out in Annex I of the CLP Regulation, unless otherwise indicated in sections 11 and 12.

The data for evaluation of chemical-physical properties are reported in section 9.