Meccanocar Italia S.r.I. Revision nr. 1 Dated 18/06/2020 First compilation Printed on 18/06/2020 Page n. 1/16

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 21000-6409
Product name ANTI MARTEN SPRAY

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

Intended use Repellent for martens and rodents en aerosol

1.3. Details of the supplier of the safety data sheet

Name Meccanocar Italia S.r.I.
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 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

Specific target organ toxicity - single exposure, category 3

Hasardous to the aquatic environment, chronic toxicity, category 3

H336
Hazardous to the aquatic environment, chronic toxicity, category 3

H336
H412
H412
Harmful 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.

Revision nr. 1

Dated 18/06/2020 First compilation

Printed on 18/06/2020

Page n. 2/16

ANTI MARTEN SPRAY

Hazard pictograms:





Signal words: Danger

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.
H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C / 122°F.

P211 Do not spray on an open flame or other ignition source.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.
P260 Do not breathe the spray.

P501 Dispose of contents / container in accordance with local regulations.

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)

PENTANE

CAS 109-66-0 23,5 ≤ x < 25 Flam. Liq. 2 H225, Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2

H411, EUH066

EC 203-692-4

INDEX - **BUTANE**

CAS 106-97-8 19,5 \leq x < 21 Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to

Annex VI to the CLP Regulation: C U

EC 203-448-7

INDEX 601-004-00-0

Reg. no. 01-2119474691-32-XXXX

PROPANE

CAS 74-98-6 19,5 ≤ x < 21 Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to

Annex VI to the CLP Regulation: U

ANTI MARTEN SPRAY

Revision nr. 1

Dated 18/06/2020

First compilation

Printed on 18/06/2020

Page n. 3/16

EC 200-827-9

INDEX 601-003-00-5

Reg. no. 01-2119486944-21-XXXX

ISOBUTANE

CAS 75-28-5

 $19,5 \le x < 21$

Flam. Gas 1A H220, Press. Gas H280

EC 200-857-2

INDEX 601-004-00-0

Reg. no. 01-2119485395-27-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: 58,50 %

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.

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

Meccanocar Italia S.r.I.	Revision nr. 1
	Dated 18/06/2020
	First compilation
ANTI MARTEN SPRAY	Printed on 18/06/2020
	Page n. 4/16

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

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)
FRA France Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GBR United Kingdom EH40/2005 Workplace exposure limits (Third edition, published 2018)
NOR TLV-ACGIH ACGIH 2019

Revision nr. 1

Dated 18/06/2020

First compilation

Printed on 18/06/2020

Page n. 5/16

ANTI MARTEN SPRAY

RCP TLV

ACGIH TLVs and BEIs – Appendix H

PENTANO			
Predicted no-effect concentration - PNEC			
Normal value in fresh water	23	mg/l	
Normal value in marine water	23	mg/l	
Normal value for fresh water sediment	1,2	mg/kg	
Normal value for marine water sediment	1,2	mg/kg	
Normal value of STP microorganisms	360	mg/l	
Normal value for the terrestrial compartment	0,55	mg/kg	

Health - Derived no-effe	ect level - DNEL / [OMEL						
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Oral						214 mg/kg		
						bw/d		
Inhalation				643 mg/m3				3000 mg/m3
Skin				214 mg/kg				432 mg/kg
				bw/d				bw/d

Threshold Limit Value	e						
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
RCP TLV			1000			RESP	

PROPANE Threshold Limit Valu	ıe						
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
VLA	ESP		1000				
TLV	NOR	900	500				
TLV-ACGIH			1000				

BUTANE							
Threshold Limit Value							
Type	Country	TWA/8h		STEL/15min		Remarks /	
						Observations	
		mg/m3	ppm	mg/m3	ppm		
VLA	ESP		1000			Gases	
VLEP	FRA	1900	800				
WEL	GBR	1450	600	1810	750		
TLV	NOR	600	250				
TLV-ACGIH					1000		

Legend:

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

Meccanocar Italia S.r.I. Revision nr. 1 Dated 18/06/2020 First compilation Printed on 18/06/2020 Page n. 6/16

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.

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.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

ISOBUTANE

Suitable glove material protective gloves, e.g. nitrile butadiene rubber gloves (NBR), leather gloves, heat insulating

Selection of protective gloves to meet specific workplace requirements.

Suitability for specific workplaces must be clarified with the manufacturers of protective gloves.

The information is based on our tests, references from literature and information from glove manufacturers or derived by analogy with similar materials. Remember that the useful time per day of a chemical protection glove can be much shorter than the breakthrough time determined according to EN 374 due to the numerous influencing factors involved.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance aerosol
Colour colourless
Odour mild

Odour threshold Not available pH Not available Melting point / freezing point Not available Initial boiling point Not available Boiling range Not available

ANTI MARTEN SPRAY

Revision nr. 1

Dated 18/06/2020 First compilation

Printed on 18/06/2020

Page n. 7/16

Flash point < 0 °C

Evaporation rate Not available Not available Flammability (solid, gas) Lower inflammability limit 1,4 % (V/V) Upper inflammability limit 8 % (V/V) Lower explosive limit Not available Not available Upper explosive limit 3500 hPa Vapour pressure Vapour density Not available

Relative density 0,6

Solubility insoluble in water

Partition coefficient: n-octanol/water Not available

Auto-ignition temperature 240 °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.

ISOBUTANE

Vapors can form an explosive mixture with air.

BUTANE

Vapors can form an explosive mixture with air.

10.4. Conditions to avoid

Avoid overheating.

Meccanocar Italia S.r.l.	Revision nr. 1
	Dated 18/06/2020
ANTIMARTEN ORDAY	First compilation Printed on 18/06/2020
ANTI MARTEN SPRAY	Page n. 8/16
<u> </u>	
ISOBUTANE	
Keep away from heat and other causes of fire.	
BUTANE	
Avoid heat and sources of ignition.	
10.5. Incompatible materials	
Strong reducing or oxidising agents, strong acids or alkalis, hot material.	
ISOBUTANE	
Strong oxidizing agents, chlorine, oxygen.	
BUTANE	
Strong oxidizing agents, chlorine, oxygen.	
10.6. Hazardous decomposition products	
ISOBUTANE	
In case of fire or production of thermal decomposition, for example, carbon monoxide, carbon dioxide (CO2).	
BUTANE	
In case of fire or production of thermal decomposition, for example, carbon monoxide, carbon dioxide (CO2).	
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	

Revision nr. 1

Dated 18/06/2020 First compilation

Printed on 18/06/2020

Page n. 9/16

ANTI MARTEN SPRAY

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

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)

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

Species: Rat (Alderley Park (SPF); male / female)

Route of exposure: Inhalation Results: LC50> 800 000 ppm

BUTANE

Method: Not indicated

Reliability: 2

Species: Rat (Alderley Park (SPF); male / female)

Route of exposure: Inhalation Results: LC50: 1 443 mg / L air

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

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)

Revision nr. 1

Dated 18/06/2020

First compilation

Printed on 18/06/2020 Page n. 10/16

ANTI MARTEN SPRAY

Route of exposure: Inhalation (gas)

Results: Negative

BUTANE

Method: OECD 471 in vitro test

Reliability: 1
Species: Salmonella strains, S. typhimurium Results: Negative 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

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

BUTANE

Method: OECD 413 Reliability: 1

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

Route of exposure: Inhalation Results: NOAEC 10000 ppm

Adverse effects on sexual function and fertility

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

PROPANE

Method: EPA OPPTS 870.3700

Reliability: 1

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

Route of exposure: Inhalation (gas)

Results: NOAEC (development) 10 426 ppm

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

ISOBUTANE

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

PROPANE

Meccanocar Italia S.r.I. Revision nr. 1 Dated 18/06/2020 First compilation

ANTI MARTEN SPRAY

Page n. 11/16

Printed on 18/06/2020

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

BUTANE

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

ISOBUTANE

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

PROPANE

Method: OECD 422

Reliability: 1

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

Route of exposure: Inhalation (gas) Results: NOAEC 16 000 ppm

BUTANE

Method: OECD 413

Reliability: 1

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

Route of exposure: Inhalation (gas) Results: NOAEC = 10000 ppm

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment. **12.1. Toxicity**

Information not available

12.2. Persistence and degradability

BUTANE

Quickly degradable in water.

BUTANE

Solubility in water

0,1 - 100 mg/l

Rapidly degradable

Revision nr. 1

Dated 18/06/2020

First compilation

Printed on 18/06/2020
Page n. 12/16

ANTI MARTEN SPRAY

PROPANE

Solubility in water 0,1 - 100 mg/l

Rapidly degradable

12.3. Bioaccumulative potential

BUTANE

Partition coefficient: n-octanol/water 1,09

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.

ISOBUTANE

Compliance with local regulations, e.g. incineration through flaring system.

No waste key number according to the European list of waste types can be assigned to this product, since this classification is based on the use (not yet determined) for which the product is intended for the consumer.

The key number for the waste must be determined according to the European waste type list (decision on the EU waste type list 2000/532 / EC) in collaboration with the disposal company / producer / authority Official.

BUTANE

No waste key number according to the European list of waste types can be assigned to this product, since this classification is based on the use (not yet determined) for which the product is intended for the consumer.

The key number for the waste must be determined according to the European waste type list (decision on the EU waste type list 2000/532 / EC) in collaboration with the disposal company / producer / authority Official.

SECTION 14. Transport information

14.1. UN number

Revision nr. 1

Dated 18/06/2020 First compilation

Printed on 18/06/2020

Page n. 13/16

ANTI MARTEN SPRAY

ADR / RID, IMDG, IATA:

1950

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:

IATA:

14.5. Environmental hazards

ADR / RID: NO NO IMDG: NO IATA:

14.6. Special precautions for user

ADR / RID: HIN - Kemler: -- Limited Quantities: 1

Tunnel restriction code: (D)

Packaging

instructions: 203

Special Provision: -

IMDG: EMS: F-D, S-U Limited Quantities: 1

Cargo:

Pass.:

Maximum

quantity: 150 Kg

instructions: 203 Packaging

Maximum

quantity: 75

A145, A167,

A802

Special Instructions:

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

Revision nr. 1

Dated 18/06/2020 First compilation

Printed on 18/06/2020 Page n. 14/16

ANTI MARTEN SPRAY

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

Seveso Category - Directive 2012/18/EC: P3a

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

Aerosol 1 Aerosol, category 1
Aerosol 3 Aerosol, category 3

Flam. Liq. 2 Flammable liquid, category 2

Press. Gas (Liq.) Liquefied gas
Press. Gas Pressurised gas

Asp. Tox. 1 Aspiration hazard, category 1

Revision nr. 1
Dated 18/06/2020

First compilation

Page n. 15/16

Printed on 18/06/2020

ANTI MARTEN SPRAY

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H220 Extremely flammable gas.H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may burst if heated.H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.H412 Harmful to aquatic life with long lasting effects.

EUH066 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
- 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
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the Euro

Meccanocar Italia S.r.I.	Revision nr. 1
	Dated 18/06/2020
	First compilation
ANTI MARTEN SPRAY	Printed on 18/06/2020
	Page n. 16/16

- 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.