

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

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

- 1.1 Product identifier

- Trade name: **PULICASCO**

- UFI: 5520-K0V9-U001-68HD

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

- Life cycle stages C Consumer use

- Sector of Use SU21 Consumer uses: Private households / general public / consumers

- Product category PC35 Washing and cleaning products (including solvent based products)

- Application of the substance / the mixture Cleaning material/ Detergent

- Uses advised against

The mixture is not recommended for industrial, professional and consumer applications not specified as relevant identified uses

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

MA-FRA S.p.A. a Socio Unico

Via Aquileia, 44/46

20021 Baranzate (MI) ITALIA

Tel. +39 023569981

www.mafra.com

mafra@mafra.it

- Informing department:

E-mail: lab@mafra.it

info@mafra.it

- 1.4 Emergency telephone number: In case of accident call the emergency number 112

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS02

- Signal word Danger

- Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- Precautionary statements

P102 Keep out of reach of children.

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

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

P251 Do not pierce or burn, even after use.

(Contd. on page 2)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 1)

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

- Additional information:

EUH208 Contains mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****- 3.2 Mixtures****- Description:** Mixture of substances**- Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7	butane, pure Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-20%
CAS: 308062-28-4 EC number: 931-292-6 Reg.nr.: 01-2119490061-47	Amines oxide Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315	<1%
CAS: 68439-50-9 NLP: 500-213-3 Reg.nr.: 01-2119487984-16-0022	Alcohols, C12-14, ethoxylated Aquatic Acute 1, H400; Aquatic Chronic 3, H412	<1%
CAS: 137-16-6 EINECS: 205-281-5	Lauryl sarcocinate salt sodium Acute Tox. 2, H330; Eye Dam. 1, H318; Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 30 % Eye Dam. 1; H318: C ≥ 30 % Eye Irrit. 2; H319: 1 % ≤ C < 30 %	<1%
CAS: 55965-84-9 Reg.nr.: 01-2120764691-48	mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.0015%

- Regulation (EC) No 648/2004

anionic surfactants, non-ionic surfactants, EDTA and salts thereof, AMYL CINNAMAL, Alpha Hexyl Cinnamaldehyde, LINALOOL <5%

preservation agents (mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one (3:1))

- Additional information For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****- 4.1 Description of first aid measures****- General information** No special measures required.**- After inhalation** Supply fresh air; consult doctor in case of symptoms.**- After skin contact** The product is not skin irritating.**- After eye contact** Rinse opened eye for several minutes under running water.**- After swallowing** In case of persistent symptoms consult doctor.**- 4.2 Most important symptoms and effects, both acute and delayed**

Sickness

No further relevant information available.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 2)

- 4.3 Indication of any immediate medical attention and special treatment needed*If swallowed, gastric irrigation**Medical supervision for at least 48 hours***SECTION 5: Firefighting measures****- 5.1 Extinguishing media****- Suitable extinguishing agents***CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.**Use fire fighting measures that suit the environment.***- 5.2 Special hazards arising from the substance or mixture***Can be released in case of fire**Carbon monoxide (CO)***- 5.3 Advice for firefighters****- Protective equipment:***Do not inhale explosion gases or combustion gases.**Protection means for respiratory tract***- Additional information***Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.***SECTION 6: Accidental release measures****- 6.1 Personal precautions, protective equipment and emergency procedures***Keep away from ignition sources**Protective gloves. (EN 374)***- For non-emergency personnel***Ensure adequate ventilation**Keep away from ignition sources**Wear protective clothing.***- For emergency responders***PVC gloves**Nitrile rubber, NBR***- 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.****- 6.3 Methods and material for containment and cleaning up:***Ensure adequate ventilation.**Dilute with much water.**Dispose of the material collected according to regulations.***- 6.4 Reference to other sections***See Section 7 for information on safe handling**See Section 8 for information on personal protection equipment.**See Section 13 for information on disposal.***SECTION 7: Handling and storage****- 7.1 Precautions for safe handling***Use only in well ventilated areas.**Open and handle container with care.**Keep away from heat and direct sunlight.**Take off immediately all contaminated clothing**Wash hands during breaks and at the end of the work.**Do not eat, drink or smoke while working.***- Information about protection against explosions and fires:***Do not spray on flames or red-hot objects.**Keep ignition sources away - Do not smoke.**Protect from heat.*

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 3)

Protect against electrostatic charges.

Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.

- 7.2 Conditions for safe storage, including any incompatibilities**- Storage****- Requirements to be met by storerooms and containers:**

Store in cool location.

Store only in the original container.

Observe official regulations on storing packagings with pressurised containers.

- Information about storage in one common storage facility: Not required.**- Further information about storage conditions:**

Keep container tightly sealed.

Do not seal container gastight.

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

- Class according to regulation on inflammable liquids: Void**- 7.3 Specific end use(s) No further relevant information available.****SECTION 8: Exposure controls/personal protection****- 8.1 Control parameters****- Components with limit values that require monitoring at the workplace:****106-97-8 butane, pure**

WEL	Short-term value: 1810 mg/m ³ , 750 ppm
	Long-term value: 1450 mg/m ³ , 600 ppm
	Carc (if more than 0.1% of buta-1.3-diene)

- DNELs**308062-28-4 Amines oxide**

Oral	Systemic Long-term Effects	0.44 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	11 mg/Kg bw/day (Industrial Workers)
		5.5 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	6.2 mg/m ³ (Industrial Workers)
		1.53 mg/m ³ (Consumers)

102-71-6 Triethanolamine

Oral	Systemic Long-term Effects	13 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	6.3 mg/Kg bw/day (Industrial Workers)
		3.1 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	5 mg/m ³ (Industrial Workers)
		1.25 mg/m ³ (Consumers)

68439-50-9 Alcohols, C12-14, ethoxylated

Oral	Systemic Long-term Effects	25 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	2,080 mg/Kg bw/day (Industrial Workers)
		1,250 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	294 mg/m ³ (Industrial Workers)
		87 mg/m ³ (Consumers)

151-21-3 sodium dodecyl sulphate

Oral	Systemic Long-term Effects	24 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	4,060 mg/Kg bw/day (Industrial Workers)
		2,440 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	285 mg/m ³ (Industrial Workers)

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 4)

		85 mg/m ³ (Consumers)
137-16-6 Lauryl sarcocinate salt sodium		
Oral	Systemic Long-term Effects	10 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	20 mg/Kg bw/day (Industrial Workers)
		10 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	70.53 mg/m ³ (Industrial Workers)
		17.39 mg/m ³ (Consumers)
64-02-8 tetrasodium ethylenediaminetetraacetate		
Oral	Systemic Long-term Effects	25 mg/Kg bw/day (Consumers)
Inhalative	Local long-term effects	1.5 mg/m ³ (Industrial Workers)
		0.6 mg/m ³ (Consumers)
	Local short-term effects	3 mg/m ³ (Industrial Workers)
		1.2 mg/m ³ (Consumers)
	Systemic long-term effects	1.5 mg/m ³ (Industrial Workers)
		0.6 mg/m ³ (Consumers)
	Systemic Short-term Effects	2.5 mg/m ³ (Industrial Workers)
		1.5 mg/m ³ (Consumers)
102-60-3 1,1',1'',1'''-ethylenedinitilotetrapropan-2-ol		
Oral	Systemic Long-term Effects	2.5 mg/Kg bw/day (Consumers)
Dermal	Systemic long-term effects	4.2 mg/Kg bw/day (Industrial Workers)
		2.5 mg/Kg bw/day (Consumers)
Inhalative	Systemic long-term effects	29.4 mg/m ³ (Industrial Workers)
		8.7 mg/m ³ (Consumers)

- PNECs**308062-28-4 Amines oxide**

PNEC STP	24 mg/L (STP)
Soil	1.02 mg/Kg (Soil)
Soft Water	0.0335 mg/L (Water)
Sea water	0.00335 mg/L (Water)
Sediment (soft water)	5.24 mg/Kg (Soil)
Sediment (sea water)	0.524 mg/Kg (Soil)

102-71-6 Triethanolamine

PNEC STP	10 mg/L (STP)
Soil	0.15 mg/Kg (Soil)
Soft Water	0.32 mg/L (Water)
Sea water	0.03 mg/L (Water)
Sediment (soft water)	1.7 mg/Kg (Soil)
Sediment (sea water)	0.17 mg/Kg (Soil)
Occasional Emission	5.12 mg/L (Water)

68439-50-9 Alcohols, C12-14, ethoxylated

PNEC STP	10 mg/L (STP)
Soil	1 mg/Kg (Soil)
Soft Water	0.074 mg/L (Water)
Sea water	0.007 mg/L (Water)
Sediment (soft water)	66.67 mg/Kg (Soil)
Sediment (sea water)	6.66 mg/Kg (Soil)

(Contd. on page 6)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 5)

151-21-3 sodium dodecyl sulphate	
<i>PNEC STP</i>	135 mg/L (STP)
<i>Soil</i>	1.29 mg/Kg (Soil)
<i>Soft Water</i>	0.176 mg/L (Water)
<i>Sea water</i>	0.0176 mg/L (Water)
<i>Sediment (soft water)</i>	6.97 mg/Kg (Soil)
<i>Sediment (sea water)</i>	0.697 mg/Kg (Soil)
137-16-6 Lauryl sarcocinate salt sodium	
<i>Soft Water</i>	0.009 mg/L (Water)
<i>Sea water</i>	0.001 mg/L (Water)
<i>Sediment (soft water)</i>	0.064 mg/Kg (Soil)
<i>Sediment (sea water)</i>	0.006 mg/Kg (Soil)
64-02-8 tetrasodium ethylenediaminetetraacetate	
<i>PNEC STP</i>	43 mg/L (STP)
<i>Soil</i>	0.72 mg/Kg (Soil)
<i>Soft Water</i>	2.2 mg/L (Water)
<i>Sea water</i>	0.22 mg/L (Water)
<i>Occasional Emission</i>	1.2 mg/L (Water)
102-60-3 1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol	
<i>PNEC STP</i>	70 mg/L (STP)
<i>Soil</i>	0.0183 mg/Kg (Soil)
<i>Sea water</i>	0.0085 mg/L (Water)
<i>Sediment (soft water)</i>	0.193 mg/Kg (Soil)
	0.085 mg/Kg (Water)
<i>Sediment (sea water)</i>	0.0193 mg/Kg (Soil)
55965-84-9 mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one (3:1)	
<i>PNEC STP</i>	0.23 mg/L (STP)
<i>Soil</i>	0.01 mg/Kg (Soil)
<i>Sediment (soft water)</i>	0.027 mg/Kg (Soil)
<i>Sediment (sea water)</i>	0.027 mg/Kg (Soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

Be sure to clean skin thoroughly after work and before breaks.

Do not eat, drink or smoke while working.

Wash hands during breaks and at the end of the work.

- **Breathing equipment:** Not required.

- **Hand protection**



Protective gloves. (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**

PVC gloves

Nitrile rubber, NBR

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 6)

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye/face protection

Tightly sealed safety glasses.

- Environmental exposure controls Disposal must be made according to official regulations.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**- General Information**

- Physical state	Aerosol
- Colour:	Colourless
- Odour:	Characteristic
- Odour threshold:	Not determined.
- Melting point/freezing point:	Not determined
- Boiling point or initial boiling point and boiling range	100 °C
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	1.5 Vol %
- Upper:	8.5 Vol %
- Flash point:	-15 °C
- Self-inflammability:	Product is not selfigniting.
- Decomposition temperature:	Not determined.
- pH at 20 °C	7
- Viscosity:	
- Kinematic viscosity	Not determined.
- dynamic:	Not determined.
- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure at 20 °C:	2,100 hPa
- Density and/or relative density	
- Density at 20 °C	0.89 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 9.2 Other information

- Appearance:	
- Form:	Aerosol
- Important information on protection of health and environment, and on safety.	
- Ignition temperature:	365 °C
- Explosive properties:	Not determined.
- Change in condition	
- Evaporation rate	Not applicable.

- Information with regard to physical hazard classes

- Explosives	Void
- Flammable gases	Void
- Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 7)

- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable under normal conditions
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Explosive
Develops readily flammable gases / fumes
Flammable
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

308062-28-4 Amines oxide

Oral	LD50	mg/Kg (Rat)
	NOAEL	88 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rat)

102-71-6 Triethanolamine

Oral	LD50	6,400 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rabbit)

68439-50-9 Alcohols, C12-14, ethoxylated

Oral	LD50	>2,000 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rat)

151-21-3 sodium dodecyl sulphate

Oral	LD50	1,288 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rabbit)

137-16-6 Lauryl sarcocinate salt sodium

Oral	LD50	>5,000 mg/Kg (Rat)
Inhalative	LC50	<0.5 mg/L (Rat)

78330-20-8 Ethoxy Alcohol C9-C11

Oral	LD50	300-2,000 mg/Kg (Rat)
------	------	-----------------------

64-02-8 tetrasodium ethylenediaminetetraacetate

Oral	LD50	1,780 mg/Kg (Rat)
------	------	-------------------

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 8)

55965-84-9 mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one (3:1)

Oral	LD50	457 mg/Kg (Rat)
Dermal	LD50	660 mg/Kg (Rabbit)

- 11.2 Information on other hazards**- Endocrine disrupting properties**

118-58-1	Benzyl salicylate	List II
----------	-------------------	---------

SECTION 12: Ecological information**- 12.1 Toxicity****- Aquatic toxicity:****308062-28-4 Amines oxide**

LC50 (96h)	2.67 mg/L (Fish)
EC50 (48h)	0.266 mg/L (Algae)
	3.1 mg/L (Daphnia)
EC50 (96h)	2.67 mg/L (Fish)
EC50 (72h)	0.143 mg/L (Algae)

102-71-6 Triethanolamine

LC50 (96h)	11,800 mg/L (Fish)
EC50 (48h)	609.88 mg/L (Daphnia)
EC50 (72h)	512 mg/L (Algae)

68439-50-9 Alcohols, C12-14, ethoxylated

LC50 (96h)	0.876 mg/L (Fish)
EC50 (48h)	0.39 mg/L (Daphnia)

151-21-3 sodium dodecyl sulphate

EC50 (72h)	>120 mg/L (Algae)
EC10 (72h)	30 mg/L (Algae)

137-16-6 Lauryl sarcocinate salt sodium

LC50 (96h)	32.1 mg/L (Fish)
EC50 (48h)	29.7 mg/L (Daphnia)
EC50 (72h)	79 mg/L (Algae)

78330-20-8 Ethoxy Alcohol C9-C11

LC50 (96h)	>100 mg/L (Fish)
EC50 (48h)	>100 mg/L (Daphnia)
EC50 (72h)	>100 mg/L (Algae)

64-02-8 tetrasodium ethylenediaminetetraacetate

LC50 (96h)	>100 mg/L (Fish)
EC50 (48h)	140 mg/L (Daphnia)
EC50 (72h)	>100 mg/L (Algae)

55965-84-9 mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one, 2-methyl-2H-isothiazol-3-one (3:1)

EC50 (96h)	0.47 mg/L (Algae)
EC50 (72h)	0.379 mg/L (Algae)

- 12.2 Persistence and degradability The contained surfactants are easily biodegradable**- 12.3 Bioaccumulative potential** No further relevant information available.**- 12.4 Mobility in soil** No further relevant information available.**- 12.5 Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

(Contd. on page 10)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 9)

- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA**

UN1950

- **14.2 UN proper shipping name**
- **ADR, IMDG**
- **IATA**

AEROSOLS

AEROSOLS, flammable

- **14.3 Transport hazard class(es)**
- **ADR**



- **Class**
- **Label**
- **IMDG, IATA**

2.5F Gases.

2.1



- **Class**
- **Label**

2.1 Gases.

2.1

- **14.4 Packing group**
- **ADR, IMDG, IATA**

Void

- **14.5 Environmental hazards:**
- **Marine pollutant:**

No

- **14.6 Special precautions for user**
- **Kemler Number:**
- **EMS Number:**
- **Stowage Code**
- **Segregation Code**

Warning: Gases.

-

F-D,S-U

SW1 Protected from sources of heat.

SW2 Clear of living quarters.

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 10)

- For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

- **Transport/Additional information:**

- **ADR**

- **Limited quantities (LQ)**

1L

- **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

- **Transport category**

2

- **Tunnel restriction code**

D

- **IMDG**

- **Limited quantities (LQ)**

1L

- **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **Seveso category P3a** FLAMMABLE AEROSOLS

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t

- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

- **National regulations**

- **Classification according to VbF:** Void

- **Technical instructions (air):**

Class	Share in %
NK	11.7

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **Relevant phrases**

H220 Extremely flammable gas.

H280 Contains gas under pressure, may explode if heated.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

- **Department issuing data specification sheet:** Ma-Fra Laboratories

- **Contact:** lab@mafra.it

(Contd. on page 12)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 3 (replaces version 2)

Revision: 31.05.2022

Trade name: PULICASCO

(Contd. of page 11)

- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * Data compared to the previous version altered.