

Safety Data Sheet

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

1.1. Product identifier

Product name **Mastik'One Original 30g**

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

Intended use **Cement for Tubular gluing**

1.3. Details of the supplier of the safety data sheet

Name **Vittoria S.p.A.**
Full address **Via Liguria 8**
District and Country **24041 Brembate (BG)**
Italy
Tel. +39 035 4993911
Fax +39 035 4993912

e-mail address of the competent person
responsible for the Safety Data Sheet

p.moretti@vittoria.com

1.4. Emergency telephone number

For urgent inquiries refer to

IRELAND: National Poisons Information Centre (NPIC): +353 1 8092166
MALTA: Medicines & poisons info Office 112
UK: National Health Service (NHS) (999 emergency call; 111 non-emergency call)
Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department

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.

Physical and chemical hazards: the product is classified as highly flammable liquid and vapour.

Health hazards: the product is suspected of damaging fertility, may be fatal if swallowed and enters airways, causes skin irritation and may cause drowsiness or dizziness.

Environmental hazards: the product is toxic to aquatic life with long lasting effects.

Hazard classification and indication:

Flammable liquid, category 2	H225	Highly flammable liquid and vapour.
Reproductive toxicity, category 2	H361f	Suspected of damaging fertility.
Aspiration hazard, category 1	H304	May be fatal if swallowed and enters airways.
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.

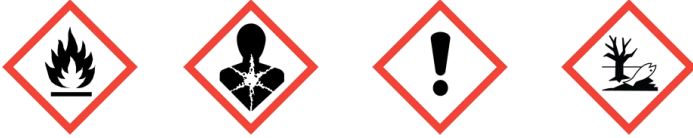
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2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H361f Suspected of damaging fertility.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
P331 Do NOT induce vomiting.
P501 Dispose of contents and container in accordance with local regulation.

Contains: Naphtha (petroleum), hydrotreated light

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	Concentration %	Classification 1272/2008 (CLP)	Specific concentration limits 1272/2008 (CLP)
Rubber, natural			
CAS 9006-04-6	50 - 70	Not classified according to reg. 1272/2008 (CLP)	<i>Not applicable</i>
EC 232-689-0			
INDEX -			
Naphtha (petroleum), hydrotreated light			
CAS 64742-49-0	15 - 25	Flam. Liq. 2 H225, Repr. 2 H361f, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Muta. 1B H340, Carc. 1B H350, Aquatic	<i>Not applicable</i>

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Chronic 2 H411, Classification note
according to Annex VI to the CLP
Regulation: **P**

EC 265-151-9

INDEX 649-328-00-1

**Resin acids and Rosin acids,
calcium zinc salts**

CAS 68334-35-0

1 - 5

Not classified according to reg. 1272/2008
(CLP)*Not applicable*

EC 269-825-3

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

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 immediately. Wash contaminated clothing before using it again.

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

INGESTION: Get medical advice 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

Treat symptomatically. Consult a doctor.

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

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

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. Do not breathe combustion products (COx).

Rubber, natural

In the event of a fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Combustion gases from organic substances are generally poisonous to the lungs.

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5.3. Advice for firefightersGENERAL 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 used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal firefighting 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**FOR NON-EMERGENCY PERSONNEL

Alert personnel responsible coordinating the response to such emergencies. Move away from the area affected by the accident if you are not in possession of the personal protective equipment listed in Section 8.

FOR EMERGENCY RESPONDERS

Evacuate all personnel not suitably equipped to deal with the emergency.

Wear suitable protective clothing and equipment, as set out in Section 8 of the safety data sheet, to prevent any contamination of the skin, eyes and personal clothing. Stop leak if safe to do so.

Do not permit workers to access the area affected by the accident until safe conditions have been restored. Ventilate the areas affected

Remember to remove any possible source of ignition (open flames, heated surfaces, electrical equipment for example) and use non-sparking equipment.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

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**

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. 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. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section

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10 for details.

7.3. Specific end use(s)

No specific end uses are intended other than the relevant uses set out in Section 1.2 of this safety data sheet.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Regulatory References:

DEU	Deutschland	TRGS 900 (Fassung 07.06.2018) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
ITA	Italia	DIRETTIVA (UE) 2017/164 DELLA COMMISSIONE del 31 gennaio 2017
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

Rubber, natural**Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min	Notations	Critical Effects
		mg/m3	ppm		
		mg/m3	ppm		
TLV-ACGIH		0,0001		INHAL; SKIN	DSEN; RSEN; Resp sens

Naphtha (petroleum), hydrotreated light**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	640 mg/m3	1152 mg/m3	178,57 mg/m3		1066,67 mg/m3	1286,4 mg/m3	837,5 mg/m3	

Resin acids and Rosin acids, calcium zinc salts**Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,002	mg/l
Normal value for fresh water sediment	0,007	mg/kg
Normal value for marine water sediment	0,001	mg/kg
Normal value for water, intermittent release	0,016	mg/l
Normal value of STP microorganisms	1000	mg/l

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				1,065 mg/kg bw/d				
Inhalation							10 mg/m3	
Skin				1,065 mg/kg bw/d				2,131 mg/kg bw/d

Although it is not mandatory to declare the following substances in Section 3.2 of this Safety Data Sheet (since the requirements set out in paragraph 3.2.1 of the Annex to Reg. (EU) 830/2015 are not met), they are however mentioned in this section in compliance with the provisions of par. 8.1.1 of the Annex of Reg. (EU) 830/2015.

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Cyclohexane (naphtha (petroleum), hydrotreated light)**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Notations	Critical Effects
		mg/m3	ppm	mg/m3	ppm		
VLEP	ITA	350	100				
OEL	EU	700	200				
TLV-ACGIH		344,21	100				Central nervous system impair

Predicted no-effect concentration - PNEC

Normal value in fresh water		0,207	mg/l
Normal value in marine water		0,207	mg/l
Normal value for fresh water sediment		16,68	mg/kg
Normal value for marine water sediment		16,68	mg/kg/d
Normal value for water, intermittent release		0,207	mg/l
Normal value of STP microorganisms		3,24	mg/l
Normal value for the terrestrial compartment		3,38	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Chronic systemic	Effects on workers			
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				59,4 mg/kg bw/d				
Inhalation	412 mg/m3	412 mg/m3	206 mg/m3	206 mg/m3	1400 mg/m3	1400 mg/m3	700 mg/m3	700 mg/m3
Skin				1186 mg/kg bw/d				2016 mg/kg bw/d

Methylcyclohexane (naphtha (petroleum), hydrotreated light)**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Notations	Critical Effects
		mg/m3	ppm	mg/m3	ppm		
MAK	DEU	810	200	1620	400		
TLV-ACGIH		1606,38	400				Irritation of upper respiratory tract; central nervous system impairs; liver & kidney damage

Predicted no-effect concentration - PNEC

Normal value in fresh water		1,34	µg/l
Normal value in marine water		0,134	µg/l
Normal value for fresh water sediment		36,2	µg/kg
Normal value for marine water sediment		3,62	µg/kg
Normal value for water, intermittent release		13,4	µg/l
Normal value of STP microorganisms		273	µg/l
Normal value for the terrestrial compartment		9,7	µg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Chronic systemic	Effects on workers			
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,4 mg/kg bw/d				
Inhalation		1016 mg/m3		16 mg/m3		1354,6 mg/m3		64,3 mg/m3
Skin				0,8 mg/kg bw/d				1,7 mg/kg bw/d

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N-hexane (naphtha (petroleum), hydrotreated light)**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Notations	Critical Effects
		mg/m3	ppm	mg/m3	ppm		
VLEP	ITA	72	20				
OEL	EU	72	20				
TLV-ACGIH		176,24	50			SKIN	Central nervous system impair; peripheral neuropathy; eye irritation

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				4 mg/kg bw/d				
Inhalation				16 mg/m3				75 mg/m3
Skin				5,3 mg/kg bw/d				11 mg/kg bw/d

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.

CyclohexaneSampling methods<https://amcaw.ifa.dguv.de/substance/methoden/028-L-Cyclohexane.pdf>**Methylcyclohexane**Sampling methods<https://amcaw.ifa.dguv.de/substance/methoden/016-L-Methylcyclohexane.pdf>**N-hexane**Sampling methods<https://amcaw.ifa.dguv.de/substance/methoden/026-L-n-Hexane.pdf>Biological Indicators of Exposure (IBE) - Source: ACGIH 2019

Biological indicator: 2,5-Hexanedione in urine

Time of withdrawal: End of shift

IBE: 0.5 mg/L

Notation: -

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

Protect hands with category III work gloves, class F, J (recommended material fluorinated rubber or equivalent) (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II 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.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

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EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

Provide an emergency shower with face and eye wash station.

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

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.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

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.

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

Appearance	liquid
Colour	Yellowish
Odour	light smell, solvent odor
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	Solvent naphtha petroleum: 75°C (167°F) -115°C(239°F)
Boiling range	Not available
Flash point	Solvent naphtha petroleum: Approximate -15°C (5°F)
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable (the product is in liquid form)
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not applicable (the product is a mixture)
Vapour density	Not applicable (the product is a mixture)
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not applicable (the product is a mixture)
Auto-ignition temperature	Solvent naphtha petroleum: >200°C (392°F)
Decomposition temperature	Not available
Viscosity	10,000-11,000 cps (measured by Brookfield at 25°C)
Explosive properties	Not applicable (absence of chemical groups associated with explosive properties, pursuant to the provisions of Annex I, Part 2, chapter 2.1.4.3 of Reg. (EC) 1272/2008 (CLP).
Oxidising properties	Not applicable (absence of the requirements related to the presence of atoms and/or chemical bonds associated with oxidising properties in the molecules of the components, pursuant to the provisions of Annex I, Part 2, 2.13.4 of Reg. (EC) 1272/2008 (CLP).

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

The vapours may also form explosive mixtures with the air.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released (COx).

SECTION 11. Toxicological information

11.1. Information on toxicological effects

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

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ACUTE TOXICITY

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

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)

Naphtha (petroleum), hydrotreated light

LD50 (Oral) > 5000 mg/kg bw Rat

LD50 (Dermal) > 2000 mg/kg bw Rabbit

LC50 (Inhalation) > 5,07 mg/l/4h Rat

Resin acids and Rosin acids, calcium zinc salts

LD50 (Oral) > 2000 mg/kg bw Rat

LD50 (Dermal) > 2000 mg/kg bw Rat

SKIN CORROSION / IRRITATION

On the basis of available data and in view of the classification criteria set forth in table 3.2.3 of Annex I of (EC) Reg. 1272/2008 as amended, the product is classified as **Skin Irrit. 2, H315**.

SERIOUS EYE DAMAGE / IRRITATION

On the basis of available data and in view of the classification criteria set forth in table 3.3.3 of Annex I of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

RESPIRATORY OR SKIN SENSITISATION

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

GERM CELL MUTAGENICITY

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

CARCINOGENICITY

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

REPRODUCTIVE TOXICITY

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is classified as **Repr. 2, H361f**.

STOT - SINGLE EXPOSURE

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is classified as **STOT SE 3, H336**.

STOT - REPEATED EXPOSURE

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is not classified for this hazard class.

ASPIRATION HAZARD

On the basis of available data and in view of the classification criteria of Annex I, Part 3 of (EC) Reg. 1272/2008 as amended, the product is classified as **Asp. Tox. 1, H304**.

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SECTION 12. Ecological information**12.1. Toxicity**

Based on the evaluation of the classification of components and the classification provisions set out in Annex I, Part 4 of Reg. (EC) 1272/2008 and subsequent amendments, the mixture is classified as environmentally hazardous **Aquatic Chronic 2, H411**.

Resin acids and Rosin acids, calcium zinc salts

LC50 - for Fish	5,4 mg/l/96h Danio rerio
EC50 - for Algae / Aquatic Plants	16,6 mg/l/72h Pseudokirchneriella subcapitata

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

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.

SECTION 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.

14.1. UN Number

ADR/ADN/RID:	1133
IMDG:	1133
IATA:	1133

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14.2. UN proper shipping name

ADR/ADN/RID: ADHESIVES
 IMDG: ADHESIVES (Naphtha (petroleum), hydrotreated light)
 IATA: ADHESIVES

14.3. Transport hazard class(es)

ADR/ADN/RID: 3
 IMDG: 3
 IATA: 3

14.4. Packing group

ADR/ADN/RID: II
 IMDG: II
 IATA: II

14.5. Environmental hazards

ADR/ADN/RID: Si
 IMDG: Si
 Marine Pollutant: No
 IATA: Si

14.6. Special precautions for user

ADR/ADN/RID
 Classification code: F1
 Transport category: 2
 Hazard identification No: 33
 Labels: 3 + environmentally hazardous
 Special provisions: 640C/D
 Limited quantity: 5L
 Excepted quantity: E2
 Tunnel restriction code: D/E



IMDG
 Labels: 3 + environmentally hazardous
 Special provisions: -
 Limited quantity: 5L
 Excepted quantity: E2
 EmS: F-E, S-D
 Stowage and handling: Category B
 Segregation: -



IATA
 Labels: Flamm. Liquid



Excepted quantity: E2
 Packing instruction: Cargo: 364 Passenger: 353 Limited Quantity: Y341
 Max net Qty/Pkg: 60L 5L 1L
 Special provisions: A3

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

Transport in bulk must comply with Annex II of MARPOL 73/78 and the IBC Code where applicable.

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

Seveso Category - Directive 2012/18/EC: P5c-E2

Biocidal Products Regulation (Reg. (EU) 528/2012): not applicable

Detergent regulations (Reg. (EC) 648/2004): not applicable

Dir. 2004/42/EC - VOC/Italian Leg. Decr. 161/2006: not applicable

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

Product

Point 3 - 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. Liq. 2	Flammable liquid, category 2
Repr. 2	Reproductive toxicity, category 2
Asp. Tox. 1	Aspiration hazard, category 1

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Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Muta. 1B	Germ cell mutagenicity, category 1B
Carc. 1B	Carcinogenicity, category 1B
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H225	Highly flammable liquid and vapour.
H361f	Suspected of damaging fertility.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H411	Toxic to aquatic life with long lasting effects.

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).
- A1 = Confirmed Human Carcinogen
- A2 = Suspected Human Carcinogen
- A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans
- A4 = Not Classifiable as a Human Carcinogen
- A5 = Not Suspected as a Human Carcinogen
- IBE = Biological Indicators of Exposure.

Note P:

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply. This note applies only to certain complex oil-derived substances in Part 3.

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CALCULATION METHODS

Chemical-physical hazards: the dangerousness has been derived from the classification criteria of CLP Regulation Annex I Part 2 as amended and added.

Health hazards have been assessed with the calculation method set out by Reg. (EC) 1272/2008 (CLP) as amended and added for the classification of mixtures when data are available on all components of the mixture or some of them:

Acute Tox: application of criteria in Table 3.1.1. Annex I Part 3 of CLP Regulation as amended and added.
Skin Corr. 1A/1B/1C H314: application of additivity formula criteria in Table 3.2.3 Annex I Part 3 of CLP Regulation
Skin Irrit. 2 H315: application of additivity formula criteria in Table 3.2.3 Annex I Part 3 of CLP Regulation
Eye Dam 1 H318: application of additivity formula criteria in Table 3.3.3 Annex I Part 3 of CLP Regulation
Eye Irrit. 2 H319: application of the additivity formula criteria in Table 3.3.3 Annex I Part 3 of CLP Regulation
Eye Irrit. 2 H319: table 3.3.3 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
Skin Sens 1A/1B/1 H317 Table 3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
Resp Sens 1A/1B/1 H334 Table 3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
Muta. 1A/1B, 2 H340 - H341: table 3.5.2 Annex I Part 3 of CLP Regulation as amended and added.
Carc 1A/1B, 2 H350 - H351: table 3.6.2 Annex I Part 3 of CLP Regulation as amended and added.
Repr 1A/1B, 2 H360 - H361: table 3.7.2 Annex I Part 3 of CLP Regulation as amended and added.
STOT SE 1, 2 H370 - 371: application of the calculation methods - table 3.8.3 of Ann. I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
STOT SE 3 H336: ch. 3.8.3.4.5 of Annex I, Part 3 of Reg. (EC) 1272/2008 (CLP) as amended and added.
STOT RE 1, 2 H372 - H373: table 3.9.4 Annex I Part 3 of CLP Regulation as amended and added.
Asp Tox 1 H304: application of criteria 3.10 Annex I Part 3 of CLP Regulation as amended and added

Environmental hazards have been assessed with the calculation method set out by Reg. (EC) 1272/2008 (CLP) as amended and added for the classification of mixtures when data are available on all components of the mixture or some of them:
toxicity for the aquatic environment acute effects: table 4.1.1 of Annex I, Part 4 of Reg. (EC) 1272/2008 (CLP) as amended and added;
toxicity for the aquatic environment chronic effects: table 4.1.2 of Annex I, Part 4 of Reg. (EC) 1272/2008 (CLP) as amended and added.

GENERAL BIBLIOGRAPHY

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 4. Regulation (EU) 2015/830 of the European Parliament
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 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
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 - 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.

First issue of the document.