Safety data sheet (English translation without any country-specific legislation)
according to Regulation (EC) No 1907/2006, Article 31

Printing date 23.07.2025 *Rev. 1* *Revision: 23.07.2025*

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

· **1.1 Product identifier**
· **Trade name: HYDRO PIXEL**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Sector of Use**
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
SU17 General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
SU19 Building and construction work
· **Product category** PC1 Adhesives, sealants
· **Process category**
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC4 Chemical production where opportunity for exposure arises
PROC5 Mixing or blending in batch processes
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
PROC10 Roller application or brushing
· **Environmental release category**
ERC2 Formulation into mixture
ERC5 Use at industrial site leading to inclusion into/onto article
ERC8b Widespread use of reactive processing aid (no inclusion into or onto article, indoor)

· **Application of the substance / the mixture** Adhesives

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Litokol Lab S.p.A.
Via G.Falcone, 13/1
42048 Rubiera (RE) - Italia
Tel. +39 0522 626391 - Fax. +39 0522 620150

· **Further information obtainable from:** Litokol Lab S.p.A. - Email: productsafety@litokol.com

· **1.4 Emergency telephone number:**
ITALY - POISONS CENTRES (24h / 365d):
• Milano - Azienda Ospedaliera Niguarda Ca' Granda - Tel. +39 02 66101029
• Pavia - Centro Nazionale d'Informazione Tossicologica - IRCCS Fondazione Salvatore Maugeri Clinica del Lavoro e della riabilitazione - Tel. +39 0382 24444
• Firenze - Azienda Ospedaliera Universitaria "Careggi" U.O. Tossicologia Medica - Tel. +39 055 7947819
• Bergamo - Azienda Ospedaliera "Papa Giovanni XXIII", tossicologia clinica - Tel. +39 800 883300
• Roma - CAV Policlinico "Umberto I", PRGM tossicologia d'urgenza - Tel. +39 06 49978000
• Roma - CAV del Policlinico "Agostino Gemelli", Servizio di tossicologia clinica - Tel. +39 06 3054343
• Roma - CAV “Ospedale Pediatrico Bambino Gesù”, dipartimento emergenza e accettazione DEA - Tel. +39 06 68593726
• Foggia - Azienda Ospedaliera Universitaria riuniti, Foggia - Tel. +39 800 183459
• Napoli - Azienda Ospedaliera "Antonio Cardarelli", III Servizio di anestesia e rianimazione - Tel. +39 081 5453333
• Verona - CAV dell'Azienda ospedaliera integrata (AOUI) di Verona sede di Borgo Trento - Tel. +39 800 011858

Litokol Lab S.p.A.
Technical support: Tel. +39 0522 622852 (Monday - Friday: 8.30-12.30 AM , 2.00-6.00 PM)

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **Additional information:**
EUH208 Contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

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· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** The mixture does not contain substances that pose such a hazard at concentrations >0.1%.
· **vPvB:** The mixture does not contain substances that pose such a hazard at concentrations >0.1%.
· **Determination of endocrine-disrupting properties**
The mixture does not contain substances that pose such a hazard at concentrations >0.1%.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 1333-86-4 EINECS: 215-609-9 Reg.nr.: 01-2119384822-32-XXXX	Carbon black substance with a Community workplace exposure limit	≥1-<2.5%
CAS: 78-40-0 EINECS: 201-114-5 Index number: 015-013-00-7 Reg.nr.: 01-2119492852-28-XXXX	triethyl phosphate Acute Tox. 4, H302; Eye Irrit. 2, H319	≥2.5-<5%
CAS: 2768-02-7 EINECS: 220-449-8 Index number: 014-049-00-0 Reg.nr.: 01-2119513215-52-XXXX	trimethoxyvinylsilane Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Sens. 1B, H317	≥0.75-<1%
CAS: 1760-24-3 EINECS: 217-164-6 Reg.nr.: 01-2119970215-39-XXXX	N-(3-(trimethoxysilyl)propyl)ethylenediamine STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H332; Skin Sens. 1B, H317	≥0.75-<1%
CAS: 52829-07-9 EINECS: 258-207-9 Reg.nr.: 01-2119537297-32-XXXX	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate Repr. 2, H361f; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 2, H411	≥0.1-<0.25%

· **Additional information:**
For the wording of the listed hazard phrases refer to section 16.
If no ATE values are present, refer to LD/LC50 values in section 11.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.

· **5.3 Advice for firefighters**
· **Protective equipment:** Do not inhale explosion gases or combustion gases.
· **Additional information**
Cool endangered receptacles with water spray.

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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**
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

· **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 disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
· **Information about fire - and explosion protection:**
The product is not flammable.
Keep ignition sources away - Do not smoke.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Store in a cool location.
· **Information about storage in one common storage facility:** Store away from water.
· **Further information about storage conditions:**
Store receptacle in a well ventilated area.
Protect from humidity and water.
Protect from frost.

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
CAS: 78-40-0 triethyl phosphate	
WEEL (USA)	Long-term value: 7.45 mg/m³
CAS: 1333-86-4 Carbon black	
VLEP (France)	Long-term value: 3.5 mg/m³
WEL (Great Britain)	Short-term value: 7 mg/m³ Long-term value: 3.5 mg/m³
TWA (Italy)	Long-term value: 3 mg/m³ A3
PEL (USA)	Long-term value: 3.5 mg/m³
REL (USA)	Long-term value: 3.5* mg/m³ *0.1 in presence of PAHs;See Pocket Guide Apps.A+C
TLV (USA)	Long-term value: 3* mg/m³ *inhalable fraction, A3
CAS: 2768-02-7 trimethoxyvinylsilane	
OEL (EU)	Long-term value: 260 mg/m³, 200 ppm

· **Regulatory information**
OEL (EU): Occupational Exposure Limit (EU)
WEL (Great Britain): EH40/2020
WEEL (USA): Guide to Occupational Exposure Values (AIHA WEELs)
VLEP (France): ED 1487 26.04.2024
TWA (Italy): Valori Limite di Soglia (ACGIH)

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PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)
REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)
TLV (USA): Guide to Occupational Exposure Values (TLV)

· **DNELs**

CAS: 78-40-0 triethyl phosphate		
Oral	DNEL / Long term exposure - Systemic effects	1 mg/Kg bw/d (general population) Repeated dose toxicity
	DNEL / Short term exposure - Systemic effects	5 mg/Kg (general population)
Dermal	DNEL / Long term exposure - Systemic effects	1 mg/Kg bw/d (general population) Repeated dose toxicity
		2 mg/Kg bw/d (workers) Repeated dose toxicity
Inhalative	DNEL / Long term exposure - Systemic effects	1.74 mg/m³ (general population) Repeated dose toxicity
		9.9 mg/m³ (workers) Repeated dose toxicity
CAS: 2768-02-7 trimethoxyvinylsilane		
Oral	DNEL / Long term exposure - Systemic effects	0.63 mg/Kg bw/d (general population) Repeated dose toxicity
Dermal	DNEL / Long term exposure - Systemic effects	0.63 mg/Kg bw/d (general population) Repeated dose toxicity
		0.91 mg/Kg bw/d (workers) Repeated dose toxicity
Inhalative	DNEL / Long term exposure - Systemic effects	6.8 mg/m³ (general population) Repeated dose toxicity
		27.6 mg/m³ (workers) Repeated dose toxicity
	DNEL / Short term exposure - Systemic effects	54.4 mg/m³ (general population) Repeated dose toxicity
		73.6 mg/m³ (workers) Repeated dose toxicity
CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	DNEL / Long term exposure - Systemic effects	4 mg/Kg bw/d (general population) Acute toxicity
Inhalative	DNEL / Long term exposure - Systemic effects	26 mg/m³ (general population) Repeated dose toxicity
		130 mg/m³ (workers) Repeated dose toxicity
	DNEL / Long term exposure - Local effects	0.1 mg/m³ (general population) Irritation (respiratory tract)
		0.6 mg/m³ (workers) Irritation (respiratory tract)
	DNEL / Short term exposure - Systemic effects	26,400 mg/m³ (general population) Acute toxicity
	DNEL / Short term exposure - Local effects	4 mg/m³ (general population) Irritation (respiratory tract)
		5.36 mg/m³ (workers) Acute toxicity
CAS: 52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate		
Oral	DNEL / Long term exposure - Systemic effects	0.18 mg/Kg bw/d (general population) Repeated dose toxicity
Dermal	DNEL / Long term exposure - Systemic effects	0.9 mg/Kg bw/d (general population) Repeated dose toxicity
		1.8 mg/Kg bw/d (workers) Repeated dose toxicity
Inhalative	DNEL / Long term exposure - Systemic effects	0.31 mg/m³ (general population) Repeated dose toxicity
		1.27 mg/m³ (workers) Repeated dose toxicity

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· **PNECs**

CAS: 78-40-0 triethyl phosphate	
PNEC / water	0.632 mg/l (freshwater)
	9 mg/l (Intermittent releases (freshwater))
	0.0632 mg/l (marine water)
PNEC / sediment	5 mg/Kg dw (freshwater)
	0.5 mg/Kg dw (marine water)
PNEC / soil	0.64 mg/Kg dw
PNEC / STP	298.5 mg/l (sewage treatment plant)
CAS: 2768-02-7 trimethoxyvinylsilane	
PNEC / water	0.4 mg/l (freshwater)
	1.21 mg/l (Intermittent releases (freshwater))
	0.04 mg/l (marine water)
PNEC / sediment	1.5 mg/Kg dw (freshwater)
	0.15 mg/Kg dw (marine water)
PNEC / soil	0.06 mg/Kg dw
CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine	
PNEC / water	0.05 mg/l (freshwater)
	0.072 mg/l (Intermittent releases (freshwater))
	0.005 mg/l (marine water)
PNEC / sediment	0.181 mg/Kg dw (freshwater)
	0.0181 mg/Kg dw (marine water)
PNEC / soil	0.00687 mg/Kg dw
PNEC / STP	20 mg/l (sewage treatment plant)
CAS: 52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
PNEC / water	0.00376 mg/l (freshwater)
	0.007 mg/l (Intermittent releases (freshwater))
	0.00038 mg/l (marine water)
PNEC / sediment	5.9 mg/Kg dw (freshwater)
	0.59 mg/Kg dw (marine water)
PNEC / soil	1.18 mg/Kg dw
PNEC / STP	1 mg/l (sewage treatment plant)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** Ensure good ventilation in the workplace.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

· **Respiratory protection:**



Use suitable respiratory protective device in case of insufficient ventilation.

Short term filter device:
Filter A

· **Hand protection**
Preventive skin protection by use of:



Protective gloves

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· **Material of gloves**
Butyl rubber, BR
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.3-0.4 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
· **Eye/face protection** Goggles recommended during refilling
· **Body protection:** Light weight protective clothing

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Solid
· **Colour:**	Different according to colouring
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Undetermined. It is technically not possible to determine a value.
· **Boiling point or initial boiling point and boiling range**	Undetermined. It is technically not possible to determine a value.
· **Flammability**	Non-flammable mixture
· **Lower and upper explosion limit**	
· **Lower:**	Not applicable.
· **Upper:**	Not applicable.
· **Flash point:**	Not applicable.
· **Auto-ignition temperature:**	Not applicable.
· **Decomposition temperature:**	Not applicable. Mixture is not self-reactive, does not contail organic peroxide and does not decompose under foreseen conditions of use
· **pH**	Not applicable. Mixture is non-soluble (in water).
· **Viscosity:**	
· **Kinematic viscosity**	Not applicable.
· **Dynamic at 20 °C:**	100,000-160,000 mPas UNI EN ISO 3219 - Rotational viscometer
· **Solubility**	
· **water:**	Insoluble.
· **Partition coefficient n-octanol/water (log value)**	Not applicable.
· **Vapour pressure:**	Not applicable.
· **Density and/or relative density**	
· **Density at 20 °C:**	1.62-1.66 g/cm³ (ISO 1183-1A)
· **Relative gas density**	Not applicable.
· **Particle characteristics**	Pasty
· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Pasty
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· **Solvent content:**	
· **VOC (EC)**	4.5 %
· **Change in condition**	
· **Evaporation rate**	Not determined.
· **Information with regard to physical hazard classes**	Void

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SECTION 10: Stability and reactivity

· **10.1 Reactivity** Humid conditions during storage may cause lump formation and loss of product quality.

· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
To avoid thermal decomposition do not overheat.
Store in dry conditions.

· **10.3 Possibility of hazardous reactions**
Reacts with water.
Reacts with humid air.

· **10.4 Conditions to avoid**
Protect from humidity and water.
Keep ignition sources away - Do not smoke.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)
Methanol

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
CAS: 78-40-0 triethyl phosphate		
Oral	LD50	1,600 mg/kg (rat)
Inhalative	LC50 / 4h	>8.817 mg/l (rat) (OECD TG 403: Acute Inhalation Toxicity)
CAS: 1333-86-4 Carbon black		
Oral	LD50	>8,000 mg/kg (rat) (OECD TG 401: Acute Oral Toxicity)
CAS: 2768-02-7 trimethoxyvinylsilane		
Oral	LD50	6,899 mg/kg (rat) (OECD TG 401: Acute Oral Toxicity)
Dermal	LD50	3,158 mg/kg (rabbit) (OECD TG 402: Acute Dermal Toxicity)
Inhalative	LC50 / 4h	16.8 mg/l (rat) (OECD TG 403: Acute Inhalation Toxicity)
CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	LD50	2,295 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	11 mg/l (ATE)
CAS: 52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate		
Oral	LD50	3,700 mg/kg (rat) (OECD TG 423: Acute Oral toxicity - Acute Toxic Class Method)
Dermal	LD50	>3,170 mg/kg (rat) (OECD TG 402: Acute Dermal Toxicity)
Inhalative	LC50 / 4h	0.5 mg/l (rat) (OECD TG 403: Acute Inhalation Toxicity)

· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

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SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
CAS: 78-40-0 triethyl phosphate	
LC50 / 96h	>100 mg/l (fish - Brachydanio rerio) (OECD TG 203: Fish, Acute Toxicity Test)
EC50 / 72h	901 mg/l (algae - Desmodesmus subspicatus)
EC10 / 72h	127 mg/l (algae - Desmodesmus subspicatus)
NOEC / 21d	31.6 mg/l (crustacea - Daphnia magna) (OECD TG 202: Daphnia sp. Acute Immobilisation Test)
CAS: 1333-86-4 Carbon black	
EC50/24h	>5,600 mg/l (crustacea - Daphnia magna) (OECD TG 202: Daphnia sp. Acute Immobilisation Test)
LC50 / 96h	>1,000 mg/l (fish - Brachydanio rerio) (OECD TG 203: Fish, Acute Toxicity Test)
EC50 / 72h	>10,000 mg/l (algae - Desmodesmus subspicatus) (OECD TG 201: Alga, Growth Inhibition Test)
CAS: 2768-02-7 trimethoxyvinylsilane	
EC50 / 48h	168.7 mg/l (crustacea - Daphnia magna) (EU Method C.2: Acute Toxicity for Daphnia)
LC50 / 96h	191 mg/l (fish - Oncorhyncus mykiss)
EC50 / 72h	>89 mg/l (algae - Pseudokirchneriella subcapitata)
NOEC / 21d	28.1 mg/l (crustacea - Daphnia magna) (OECD TG 211: Daphnia magna Reproduction Test)
CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine	
EC50 / 48h	81 mg/l (crustacea - Daphnia magna) (EU Method C.2: Acute Toxicity for Daphnia)
LC50 / 96h	597 mg/l (fish - Brachydanio rerio) (EU Method C.1: Acute Toxicity for Fish)
EC50 / 72h	8.8 mg/l (algae - Pseudokirchneriella subcapitata) (OECD TG 201: Alga, Growth Inhibition Test)
NOEC / 96h	344 mg/l (fish - Brachydanio rerio) (EU Method C.1: Acute Toxicity for Fish)
CAS: 52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
EC50 / 48h	8.58 mg/l (crustacea - Daphnia magna) (OECD TG 202: Daphnia sp. Acute Immobilisation Test)
LC50 / 96h	4.4 mg/l (fish - Lepomis macrochirus) (OECD TG 203: Fish, Acute Toxicity Test)
EC50 / 72h	0.705 mg/l (algae - Pseudokirchneriella subcapitata) (OECD TG 201: Alga, Growth Inhibition Test)

· **12.2 Persistence and degradability** No further relevant information available.

· **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.

· **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 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

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

· **Uncleaned packaging:**
· **Recommendation:**
Disposal must be made according to official regulations.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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SECTION 14: Transport information

· **14.1 UN number or ID number**	
· **ADR/RID/ADN, IMDG, IATA**	Void
· **14.2 UN proper shipping name**	
· **ADR/RID/ADN, IMDG, IATA**	Void
· **14.3 Transport hazard class(es)**	
· **ADR/RID/ADN, ADN, IMDG, IATA**	
· **Class**	Void
· **14.4 Packing group**	
· **ADR/RID/ADN, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **UN "Model Regulation":**	Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals)
Regulation (EC) No 1272/2008 (CLP - Classification, Labelling and Packaging of substances and mixtures)
Compilation of Safety Data Sheet: Reg.UE n. 878/2020 (amending Reg.EC n.1907/2006, Annex II)

· **REACH**
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 40, 52a, 75

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.

· **REGULATION (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
· **Contact:** Litokol Lab S.p.A.

(Contd. on page 10)

Safety data sheet (English translation without any country-specific legislation)
according to Regulation (EC) No 1907/2006, Article 31

Trade name: HYDRO PIXEL

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· **Abbreviations and acronyms:**
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
CLP: Classification, Labelling and Packaging
TLV: Threshold Limit Value
TLV-TWA: Threshold Limit Value - Time Weighted Average
TLV-STEL: Threshold Limit Value - Short Term Exposure Limit
PEL: Permissible Exposure Limits (Limiti di esposizione consentiti)
REL: Recommended Exposure Limits (Limiti di esposizione raccomandati)
IOELV: Indicative Occupational Exposure Limit Value
WEELs: Workplace Environmental Exposure Limits (Limiti di esposizione ambientale sul posto di lavoro)
BEI: Biological Exposure Indices
LC50: Lethal Concentration, 50 percent
EC50: Effective Concentration, 50 percent
ErC50: Effective Concentration, 50 percent, reduction of growth rate
NOEC: No-Observed Effect Concentration
NOELR: No-Observed Effect Loading Rate
ADR: Accord relatif au transport international 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)
VOC: Volatile Organic Compounds (USA, EU)
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
ATE: Acute toxicity estimate values
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
Repr. 2: Reproductive toxicity – Category 2
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2