Safety Data Sheet according to Reg. 878/2020/EU
STONEPLUS
Safety Data Sheet dated 3/6/2026 version 2

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

1.1. Product identifier

Mixture identification:

Trade name: STONEPLUS

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

Recommended use: Industrial; Professional; Consumer

Uses advised against: No other uses are foreseen besides those below identified.

Use description: Water- and oil-repellent protective agent with reviving effect.

1.3. Details of the supplier of the safety data sheet

Company: FILA Solutions S.p.A. SB
Via Garibaldi, 58
35018 San Martino di Lupari (PD)
ITALIA
tel. +39.049.9467300
fax +39.049.9460753

Responsable: sds@filasolutions.com

1.4. Emergency telephone number

UNITED KINGDOM: NHS Direct 111 (In England, Scotland North Ireland) 08454647 (Wales); IRELAND 018092166

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Flam. Liq. 3	Flammable liquid and vapour.
Eye Irrit. 2	Causes serious eye irritation.
STOT SE 3	May cause drowsiness or dizziness.
Asp. Tox. 1	May be fatal if swallowed and enters airways.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Pictograms and Signal Words

Danger

Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/…
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/…

P331 Do NOT induce vomiting.

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

Contains

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

butan-1-ol

ethylbenzene

Dir. 2004/42/EC (VOC directive)

This product contains max 600.08 g/l VOC.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: STONEPLUS

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
≥55-<60 %	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	EC:919-857-5	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336, EUH066	01-2119463258-33
≥5-<7 %	xylene	CAS:1330-20-7 EC:215-535-7 Index:601-022-00-9	Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	01-2119488216-32
≥2.5-<3 %	butan-1-ol	CAS:71-36-3 EC:200-751-6 Index:603-004-00-6	Flam. Liq. 3, H226; Acute Tox. 4, H302; STOT SE 3, H335; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H336	01-2119484630-38
≥2.5-<3 %	ethylbenzene	CAS:100-41-4 EC:202-849-4 Index:601-023-00-4	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Acute Tox. 4, H332; STOT RE 2, H373	
≥1-<2.5 %	SILANAMINA, 1,1,1-TRIMETILN-(TRIMETILSILIL)-, PRODOTTI DELL'IDROLISI CON SILICE	CAS:68909-20-6 EC:272-697-1	STOT RE 2, H373, EUH066	
≥1-<2.5 %	tetraethyl silicate	CAS:78-10-4 EC:201-083-8 Index:014-005-00-0	Eye Irrit. 2, H319; Flam. Liq. 3, H226; Acute Tox. 4, H332; STOT SE 3, H335	01-2119496195-28
<0.1 %	toluene	CAS:108-88-3 EC:203-625-9 Index:601-021-00-3	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Repr. 2, H361d; STOT RE 2, H373	
<0.1 %	methanol	CAS:67-56-1 EC:200-659-6 Index:603-001-00-X	Flam. Liq. 2, H225 Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 STOT SE 1, H370 Specific Concentration Limits: C ≥ 10%: STOT SE 1 H370 3% ≤ C < 10%: STOT SE 2 H371	

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

After contact with skin, wash with soap and plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

In case of eyes contact:

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.

In case of Ingestion:

Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

In case of Inhalation:

Bring the subject to open air. In the event of breathing difficulties, get medical advice/attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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.

Extinguishing media which must not be used for safety reasons:

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

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. 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 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

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

The intended uses are indicated in section 1. No further specific uses are foreseen.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	ACGIH			1200.00000000	197.00000000			
xylene CAS: 1330-20-7	MAK	AUSTRIA		221.00000000	50.00000000	442.00000000	100.00000000	
	VLEP	BELGIUM		221.00000000	50.00000000	442.00000000	100.00000000	
	OEL	DENMARK		109.00000000	25.00000000	218.00000000	50.00000000	
	OEL - EU			221.00000000	50.00000000	442.00000000	100.00000000	
	OEL	FINLAND		220.00000000	50.00000000	440.00000000	100.00000000	
	OEL	IRELAND		221.00000000	50.00000000	442.00000000	100.00000000	
	OEL	ITALY		221.00000000	50.00000000	442.00000000	100.00000000	
	OEL	LATVIA		221.00000000	50.00000000	442.00000000	100.00000000	
	OEL	NORWAY		108.00000000	25.00000000			
	VLEP	ROMANIA		221.00000000	50.00000000	442.00000000	100.00000000	
	VLA	SPAIN		221.00000000	50.00000000	442.00000000	100.00000000	
	OEL	SWEDEN		221.00000000	50.00000000	442.00000000	100.00000000	
	MAC	NETHERLANDS		210.00000000		442.00000000		
	OSHA PEL	UNITED STATES OF AMERICA		435.00000000	100.00000000			
	WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN		220.00000000	50.00000000	441.00000000	100.00000000	

		IRELAND						
ethylbenzene CAS: 100-41-4	MAK	AUSTRIA		440. 00000000	100. 00000000	880. 00000000	200. 00000000	skin
	VLEP	BELGIUM		87.00000000	20.00000000	551. 00000000	125. 00000000	Additional indication "D" that the absorption of the through the skin, mucous membranes or eyes is an important part of the tota exposure. It can be the r both direct contact and it presence in the air
	TLV	DENMARK		217. 00000000	50.00000000	434. 00000000	100. 00000000	skin
	OEL - EU			442. 00000000	100. 00000000	884. 00000000	200. 00000000	skin
	VLEP	FRANCE		88.40000000	20.00000000	442. 00000000	100. 00000000	skin
	GVI/KG VI	CROATIA		442. 00000000	100. 00000000	884. 00000000	200. 00000000	
	VLEP	ITALY		442. 00000000	100. 00000000	884. 00000000	200. 00000000	skin
	TLV	LATVIA		442. 00000000	100. 00000000	884. 00000000	200. 00000000	
	TLV	NORWAY		20.00000000	5.00000000			skin
	TLV	ROMANIA		442. 00000000	100. 00000000	884. 00000000	200. 00000000	
	VLA	SPAIN		441. 00000000	100. 00000000	884. 00000000	200. 00000000	skin
	ACGIH	UNITED STATES OF AMERICA		87.00000000	20.00000000			
	OSHA PEL	UNITED STATES OF AMERICA		435. 00000000	100. 00000000			
	WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND		441. 00000000	100. 00000000	552. 00000000	125. 00000000	skin
tetraethyl silicate CAS: 78-10-4	MAK	AUSTRIA	C	44.00000000	5.00000000	88.00000000	10.00000000	
	VLEP	BELGIUM		44.00000000	5.00000000			
	OEL	DENMARK		44.00000000	5.00000000	88.00000000	10.00000000	
	OEL - EU			44.00000000	5.00000000			
	OEL	FINLAND		43.00000000	5.00000000	86.00000000	10.00000000	
	OEL	IRELAND		44.00000000	5.00000000			
	VLEP	ITALY		44.00000000	5.00000000			
	OEL	LATVIA		44.00000000	5.00000000			
	OEL	NORWAY		44.00000000	5.00000000			
	VLEP	ROMANIA		44.00000000	5.00000000			
	VLA	SPAIN		44.00000000	5.00000000			
	OEL	SWEDEN		44.00000000	5.00000000	86.00000000	10.00000000	

	MAC	NETHERLANDS	44.00000000				
	OSHA PEL	UNITED STATES OF AMERICA	850.00000000	100.00000000			
	WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	44.00000000	5.00000000			
toluene CAS: 108-88-3	OEL - EU		192.000	50.000	284.000	100.000	Skin
	ACGIH			20.000			A4, BEI - Visual impair, f repro, pregnancy loss
methanol CAS: 67-56-1	OEL - EU		260.000	200.000			
	MAK	AUSTRIA	260.000	200.000	1040.000	800.000	
	VLEP	BELGIUM	266.000	200.000	333.000	250.000	
	OEL	DENMARK	260.000	200.000	520.000	400.000	
	OEL	FINLAND	270.000	200.000	330.000	250.000	
	OEL	IRELAND	260.000	200.000			
	OEL	ITALY	260.000	200.000			skin
	OEL	LATVIA	260.000	200.000			
	OEL	NORWAY	130.000	100.000			skin
	VLEP	ROMANIA	260.000	200.000			
	VLA	SPAIN	266.000	200.000	333.000	250.000	skin
	OEL	SWEDEN	250.000	200.000	350.000	250.000	
	OEL - EU	NETHERLANDS	133.000				
	WEL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	266.000	200.000	333.000	250.000	
	OSHA PEL	UNITED STATES OF AMERICA	260.000	200.000			

Predicted No Effect Concentration (PNEC) values

	PNEC Limit	Exposure Route	Exposure Frequency	Remark
xylene CAS: 1330-20-7	0.327 mg/l	Fresh Water		
	0.327 mg/l	Marine water		
	12.46 mg/kg dw	Freshwater sediments		
	12.46 mg/kg	Marine water		
	2.31 mg/kg dw	Soil		
butan-1-ol CAS: 71-36-3	0.082 mg/l	Fresh Water		

	0.008 mg/l	Marine water
	0.324 mg/kg dw	Freshwater sediments
	0.032 mg/kg dw	Marine water sediments
	0.017 mg/kg dw	Soil
ethylbenzene CAS: 100-41-4	0.1 mg/l	Fresh Water
	0.01 mg/l	Marine water
	13.7 mg/kg dw	Freshwater sediments
	1.37 mg/kg dw	Marine water sediments
	2.68 mg/kg dw	Soil
	0.02 mg/kg	Secondary poisoning
tetraethyl silicate CAS: 78-10-4	0.192 mg/l	Fresh Water
	0.019 mg/l	Marine water
	0.18 mg/kg	Freshwater sediments
	0.018 mg/kg	Marine water sediments
	0.05 mg/kg	Soil
	4000 mg/l	Microorganisms in sewage treatments
toluene CAS: 108-88-3	0.68 mg/l	Fresh Water
	0.68 mg/l	Marine water
	16.39 mg/kg dw	Freshwater sediments
	16.39 mg/kg dw	Marine water sediments
	2.89 mg/kg dw	Soil
	13.61 mg/l	Microorganisms in sewage treatments

Derived No Effect Level (DNEL) values

	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency Remark
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	871 mg/m3	871 mg/m3		Human Inhalation	Long Term, systemic effects
	208 mg/Kg bw/day	208 mg/Kg bw/day		Human Dermal	Long Term, systemic effects
			125 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
			185 mg/m3	Human Inhalation	Long Term, systemic effects
			125 mg/Kg bw/day	Human Oral	Long Term, systemic effects
xylene CAS: 1330-20-7	221 mg/m3	221 mg/m3		Human Inhalation	Long Term, systemic effects
	442 mg/m3	442 mg/m3		Human Inhalation	Short Term (acute)
	212 mg/Kg bw/day	212 mg/Kg bw/day		Human Dermal	Long Term, systemic effects
			65.3 mg/m3	Human Inhalation	Long Term, systemic effects
			260 mg/m3	Human Inhalation	Short Term (acute)
			125 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
			12.5 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
butan-1-ol CAS: 71-36-3	310 mg/m3	310 mg/m3		Human Inhalation	Long Term, systemic effects
			55.357 mg/m3	Human Inhalation	Long Term, systemic effects
			3.125 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
			1.562 mg/Kg bw/day	Human Oral	Long Term (repeated)
ethylbenzene CAS: 100-41-4	77 mg/m3	77 mg/m3		Human Inhalation	Long Term, systemic effects
	293 mg/m3	293 mg/m3		Human Inhalation	Long Term, local effects
	180 mg/Kg bw/day	180 mg/Kg bw/day		Human Dermal	Long Term, systemic effects
			15 mg/m3	Human Inhalation	Long Term, systemic effects
			1.6 mg/Kg	Human Oral	Long Term, systemic effects

			bw/day		
tetraethyl silicate CAS: 78-10-4	12.1 mg/Kg bw/day	12.1 mg/Kg bw/day	8.4 mg/Kg bw/day	Human Dermal	Short Term, systemic effects
	12.1 mg/Kg bw/day	12.1 mg/Kg bw/day	8.4 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
	85 mg/m3	85 mg/m3	25 mg/m3	Human Inhalation	Short Term, systemic effects
	85 mg/m3	85 mg/m3	25 mg/m3	Human Inhalation	Short Term (acute)
	85 mg/m3	85 mg/m3	25 mg/m3	Human Inhalation	Long Term, systemic effects
	85 mg/m3	85 mg/m3	25 mg/m3	Human Inhalation	Long Term, local effects
toluene CAS: 108-88-3	192 mg/m3	192 mg/m3		Human Inhalation	Long Term, systemic effects
	384 mg/m3	384 mg/m3		Human Inhalation	Short Term (acute)
	192 mg/m3	192 mg/m3		Human Inhalation	Long Term, local effects
	384 mg/m3	384 mg/m3		Human Inhalation	Short Term (acute)
	384 mg/Kg bw/day	384 mg/Kg bw/day		Human Dermal	Long Term, systemic effects
			56.5 mg/m3	Human Inhalation	Long Term, systemic effects
			226 mg/m3	Human Inhalation	Short Term (acute)
			56.5 mg/m3	Human Inhalation	Long Term, local effects
			226 mg/m3	Human Dermal	Long Term, systemic effects
			8.13 mg/Kg bw/day	Human Oral	Long Term, systemic effects
methanol CAS: 67-56-1	130 mg/m3	130 mg/m3		Human Inhalation	Long Term, systemic effects
	130 mg/m3	130 mg/m3		Human Inhalation	Long Term, local effects
	20 mg/Kg bw/day	20 mg/Kg bw/day		Human Dermal	Long Term, systemic effects
			26 mg/m3	Human Inhalation	Long Term, systemic effects
			26 mg/m3	Human Inhalation	Long Term, local effects
			4 mg/Kg bw/day	Human Dermal	Long Term, systemic effects
			4 mg/Kg bw/day	Human Oral	Long Term, systemic effects

8.2. Exposure controls

Eye protection:

Wear airtight protective goggles (see standard EN 166).

Protection for skin:

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.

Protection for hands:

Generally not necessary. In case of prolonged contact protect hands with category I work gloves (ref. Standard EN 374).

Recommended material: Nitrile, minimum 0.38 mm thick or equivalent protective barrier material with a high level performance for conditions of use in continuous contact, with a minimum permeability time of 480 minutes in accordance with the CEN standard EN 420 and EN 374.

Respiratory protection:

In case of exceeding the threshold value (e.g. TLV-TWA) of the substance or of one or more of the substances present in the product, it is recommended to wear a mask with type A filter whose limit of use will be defined by the manufacturer (ref. standard EN 14387). If there are gases or vapors of a different nature and/ or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided. The use of respiratory protection means is necessary in case the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. The protection offered by the masks is however limited. In the event that the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open-circuit compressed air breathing apparatus (ref. Standard EN 137) or a self-contained breathing apparatus. outdoor air (ref. EN 138 standard). For the correct choice of the respiratory protection device, refer to the EN 529 standard. Activities with large dispersion that lead to a probable consistent release of aerosols (e.g. use with spray application with airless system) are reserved for PROFESSIONAL USE ONLY. Use additional protective measures: Use an approved, air-fed, positive pressure-operated respirator. Air-fed respirators, with an exhaust bottle, may be appropriate when oxygen levels are inadequate, if gas/ vapor hazards are low, and if the capacity/ values of the air purifying filters can be exceeded. For high airborne concentrations, also use waterproof clothing to protect the skin and protect the face.; Activities involving widespread dispersion that may lead to extensive aerosol emissions (e.g. use with airless system spray applications) are reserved for PROFESSIONAL USE ONLY. As a further protective measure, use an approved positive pressure supplied-air respirator (SAR). Supplied-air respirators (SARs), fitted with a discharge bottle, may be appropriate when oxygen levels are insufficient, if the gas/vapour risks are low or if the capacity/values of the air purification filters may be exceeded.

For high airborne concentrations, also use waterproof clothing to protect the skin and face protection.

Thermal Hazards:

N.A.

Environmental exposure controls:

Emissions from manufacturing processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

Product residues must not be discharged without control into waste water or water courses.

Hygienic and Technical measures

N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid

Appearance and colour: Liquid Transparent colourless

Odour: Typical of organic solvent

Odour threshold: Not Relevant

pH: N.A. ((not soluble in water))

Kinematic viscosity: <= 20,5 mm2/sec (40 °C)

Melting point / freezing point: N.A. Notes < 0°C (Estimated value on the basis of the chemical/physical characteristics of the components - < 0°C)

Initial boiling point and boiling range: N.A. Notes > 35°C (Estimated value on the basis of the chemical/physical characteristics of the components - > 35°C)

Flash point: 23°C / 60°C

Upper/lower flammability or explosive limits: 6.00 % v/v (UEL). 0.70 % v/v (LEL).

Vapour density: 5

Vapour pressure: 1.50 (kPa 50°C). rif.: EC:919-857-5

Relative density: 0.87 kg/l

Solubility in water: Insoluble

Solubility in oil: Soluble

Partition coefficient (n-octanol/water): N.A. (Not applicable for mixtures.)

Auto-ignition temperature: 237.00 °C Notes rif.: EC:919-857-5 [ASTM E659]

Decomposition temperature: N.A.

Flammability: Flammable

Particle characteristics:

Particle size: N.A.

VOC content (g/L) in the product (2010/75/UE) 610.27

VOC content % in the product (2010/75/UE) 70.39

9.2. Other information

(There are no explosive components present.)

(There are no oxidizing components present.)

No other relevant information

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

Product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

Due to thermal decomposition or in case of fire, gases and vapors can be released that are potentially harmful to health.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	The product is classified: Eye Irrit. 2(H319)
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H336)
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	The product is classified: Asp. Tox. 1(H304)

Toxicological information on main components of the mixture:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	a) acute toxicity	LC50 Inhalation Rat > 5000 mg/m3
		LD50 Oral Rat > 5000 ml/Kg
		LD50 Skin Rabbit > 5000 mg/kg
xylene	a) acute toxicity	LD50 Oral Rat > 3523 mg/kg bw
		LC50 Inhalation Rat = 6700 Ppm 4h
		LD50 Skin Rat = 12126 mg/kg bw
	b) skin corrosion/irritation	Skin Irritant Rabbit
	c) serious eye damage/irritation	Eye Irritant Rabbit

butan-1-ol	a) acute toxicity	LD50 Oral Rat = 2292 mg/kg bw
		LD50 Skin Rabbit = 3434 mg/kg bw
	b) skin corrosion/irritation	Skin Irritant
	c) serious eye damage/irritation	Eye Irritant
ethylbenzene	a) acute toxicity	LD50 Oral Rat = 3500 mg/kg bw
		LC50 Inhalation Rat = 17629 mL/m3
		LD50 Skin Rabbit = 15400 mg/kg bw
tetraethyl silicate	a) acute toxicity	LD50 Oral Rat > 2500 mg/kg bw
		LC50 Inhalation Rat > 10 mg/l
		LD50 Skin Rabbit = 6.3 mg/kg bw
toluene	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
		LD50 Skin Rat > 5000 mg/kg
		LC50 Inhalation Rat > 20 mg/l 4h
	b) skin corrosion/irritation	Skin Irritant
methanol	a) acute toxicity	LD50 Oral Rat 1187 mg/kg bw
		LD50 Skin Rabbit = 17100 mg/kg bw
		LC50 Inhalation Cat = 43700 mg/m3 6h

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	EINECS: 919-857-5	a) Aquatic acute toxicity : EL0 Daphnia = 1000 mg/L 48h
		a) Aquatic acute toxicity : LL50 Fish Oncorhynchus mykiss > 1000 mg/L 96h
		a) Aquatic acute toxicity : NOELR Algae Pseudokirchneriella subcapitata = 100 mg/L 72h
		a) Aquatic acute toxicity : EL50 Algae Pseudokirchneriella subcapitata > 1000 mg/L 72h
xylene	CAS: 1330-20-7 - EINECS: 215-535-7 - INDEX: 601-022-00-9	a) Aquatic acute toxicity : LC50 Fish > 2.6 mg/L
		a) Aquatic acute toxicity : NOEC Fish > 1.3 mg/L - 56 days
		a) Aquatic acute toxicity : EC50 Daphnia > 1 mg/L
		a) Aquatic acute toxicity : NOEC Daphnia > 0.96 mg/L - 7 days
		a) Aquatic acute toxicity : EC50 Algae = 1.3 mg/L 72h

		a) Aquatic acute toxicity : NOEC Algae = 0.44 mg/L 72h
butan-1-ol	CAS: 71-36-3 - EINECS: 200-751-6 - INDEX: 603-004-00-6	a) Aquatic acute toxicity : LC50 Fish = 1376 mg/L 96h
		a) Aquatic acute toxicity : EC50 Daphnia = 1328 mg/L 48h
		a) Aquatic acute toxicity : EC50 Algae = 225 mg/L 96h
ethylbenzene	CAS: 100-41-4 - EINECS: 202-849-4 - INDEX: 601-023-00-4	a) Aquatic acute toxicity : LC50 Fish silverside = 5.1 mg/L 96h - 7 days
		a) Aquatic acute toxicity : LC50 Fish Rainbow trout 4.2 mg/L 96h
		a) Aquatic acute toxicity : EC50 Algae freshwater algae 3.6 mg/L 96h
		a) Aquatic acute toxicity : EC50 Marine water algae 7.7 mg/L 96h
tetraethyl silicate	CAS: 78-10-4 - EINECS: 201-083-8 - INDEX: 014-005-00-0	a) Aquatic acute toxicity : LC50 Fish >= 245 mg/L 96h
		a) Aquatic acute toxicity : EC50 Daphnia > 75 mg/L 48h
		a) Aquatic acute toxicity : EC50 Algae > 22 mg/L 72h
toluene	CAS: 108-88-3 - EINECS: 203-625-9 - INDEX: 601-021-00-3	a) Aquatic acute toxicity : LC50 Fish = 5.5 mg/L 96h
		a) Aquatic acute toxicity : NOEC Fish = 1.4 mg/L - 40 DAYS
		b) Aquatic chronic toxicity : EC50 Daphnia = 3.78 mg/L 48h
		a) Aquatic acute toxicity : NOEC Daphnia = 0.74 mg/L - 7 DAYS
		a) Aquatic acute toxicity : EC50 Algae = 134 mg/L - 3 HOURS
methanol	CAS: 67-56-1 - EINECS: 200-659-6 - INDEX: 603-001-00-X	a) Aquatic acute toxicity : EC50 Algae Selenastrum capricornutum = 22000 mg/L 96h
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 15400 mg/L 96h
		a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 18000 mg/L 48h
		d) Terrestrial toxicity : NOEC Worm Eisenia andrei = 10000 mg/kg - 63 days

12.2. Persistence and degradability

Component	Persitence/Degradability:	Test	Duration	Value	Notes
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Readily biodegradable				
xylene	Readily biodegradable	OECD 301F	28 days	98.000	
butan-1-ol	Readily biodegradable				(according to OECD criteria)
ethylbenzene	Readily biodegradable	OECD 310	10 days	79.000	
tetraethyl silicate	Readily biodegradable		28 days	98.000	
methanol	Readily biodegradable		21 days	95.000	In freshwater
	Readily biodegradable		21 days	97.000	In marine water

12.3. Bioaccumulative potential

Component	Notes
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Materiale estremamente volatile, si ripartisce rapidamente in aria. Non si presume che si ripartisca in sedimento e solidi sospesi nelle acque reflue.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7 Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Waste code:

Waste Code:

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

SECTION 14: Transport information

14.1. UN number or ID number

3295

14.2. UN proper shipping name

ADR-Shipping Name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

IATA-Technical name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

IMDG-Technical name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

14.3. Transport hazard class(es)

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

Toxic Ingredients Qty: 0.00

High Toxicity Ingredients Qty: 0.00

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: F-E, S-D

14.6. Special precautions for user

Road and Rail (ADR-RID) :

ADR exempt:

ADR-Label: 3

ADR - Hazard identification number: 30

ADR-Special Provisions: -

ADR-Transport category (Tunnel restriction code): 3 (D/E)

Air (IATA) :

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisioning: A3 A324

Sea (IMDG) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 223

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2018/699 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/699 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 48, 69, 75

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
Product belongs to category: P5c	5000	50000

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Class 3: extremely hazardous.

SVHC Substances:

No data available

Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 69.21 %

Volatile Organic compounds - VOCs = 600.08 g/L

Dir. 2010/75/EC (VOC directive)

Volatile Organic compounds - VOCs = 70.39 %

Volatile Organic compounds - VOCs = 610.27 g/L

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs (liver,gastro-intestinal tract).
H373	May cause damage to organs through prolonged or repeated exposure.

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/3/Dermal	Acute Tox. 3	Acute toxicity (dermal), Category 3
3.1/3/Inhal	Acute Tox. 3	Acute toxicity (inhalation), Category 3
3.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
3.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.7/2	Repr. 2	Reproductive toxicity, Category 2
3.8/1	STOT SE 1	Specific target organ toxicity — single exposure, Category 1
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
3.9/2	STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure

2.6/3	On basis of test data
3.3/2	Calculation method
3.8/3	Calculation method
3.10/1	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

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

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: KAFH

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION