

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
PROPACO SP3**

Regulation (EU) n. 2020/878

Safety Data Sheet date: 4/3/2024, version 9**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: PROPACO SP3
SDS code: P19371
UFI: 3RXJ-1T82-HS14-ET9E

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

Recommended use:

Paint/Coating

Industrial uses

Uses advised against:

No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet**Manufacturers:**

Socomore SASU

Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26

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Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59 59

International : CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****EC regulation criteria 1272/2008 (CLP)**

⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.

⚠ Danger, Eye Dam. 1, Causes serious eye damage.

DECL10: This titanium dioxide-containing product is not classified as carcinogen by inhalation because it does not meet the criteria stated in Note 10, Annex VI of Regulation (EC) 1272/2008.

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$.

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Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

Precautionary statements:

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

P280 Wear protective gloves/clothing and eye/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

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

Special Provisions:

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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

Contains

2-methylpropan-1-ol; iso-butanol

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 $\geq 0.1\%$

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

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

Qty	Name	Ident. Number	Classification
$\geq 15\%$ - $< 20\%$	TITANIUM DIOXYDE	CAS: 13463-67-7 EC: 236-675-5 REACH No.: 01-	The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

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			2119489379 -17	
>= 3% - < 5%	2-methylpropan-1-ol; iso-butanol	Index number: CAS: EC: REACH No.:	603-108-00-1 78-83-1 201-148-0 01- 2119484609 -23	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.8/3 STOT SE 3 H336
>= 1% - < 3%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: CAS: EC: REACH No.:	603-064-00-3 107-98-2 203-539-1 01- 2119457435 -35	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336 <p>Acute Toxicity Estimate: ATE - Oral 3739 mg/kg bw ATE - Dermal 2001 mg/kg bw ATE - Inhalation (Vapours) 30,02 mg/l</p>
>= 0.1% - < 0.25%	Trimethylolpropane	CAS: EC: REACH No.:	77-99-6 201-074-9 01- 2119486799 -10	<ul style="list-style-type: none"> ⚠ 3.7/2 Repr. 2 H361fd
>= 0.001% - < 0.1%	Quartz	CAS: EC:	14808-60-7 238-878-4	Substance with a Union workplace exposure limit.
< 0.0005%	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Index number: CAS: REACH No.:	613-167-00-5 55965-84-9 01- 2120764691 -48	<ul style="list-style-type: none"> ⚠ 3.1/2/Inhal Acute Tox. 2 H330 ⚠ 3.1/2/Dermal Acute Tox. 2 H310 ⚠ 3.1/3/Oral Acute Tox. 3 H301 ⚠ 3.2/1C Skin Corr. 1C H314 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.4.2/1A Skin Sens. 1A H317 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=100. ⚠ 4.1/C1 Aquatic Chronic 1 H410 M=100. <p>EUH071 Specific Concentration Limits: C >= 0,6%: Skin Corr. 1C H314 0,06% <= C < 0.6%: Skin Irrit. 2 H315 C >= 0,6%: Eye Dam. 1 H318 0,06% <= C < 0.6%: Eye Irrit. 2 H319</p>

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			C >= 0,0015%: Skin Sens. 1A H317
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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a CO2 fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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.

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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

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, inhalation of vapours and mists.

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

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

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Store at ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

TITANIUM DIOXYDE - CAS: 13463-67-7

- OEL Type: ACGIH - TWA(8h): 0.2 mg/m³ - Notes: Nanoscale particles; (R); A3 - LRT irr, pneumoconiosis

- OEL Type: National - TWA: 10 mg/m³ - Notes: France (a,TiO₂)

- OEL Type: National - TWA: 5 mg/m³ - Notes: France (a,dust)

- OEL Type: National - TWA: 10 mg/m³ - Notes: Belgium

- OEL Type: National - TWA: 4 mg/m³ - STEL: 12 mg/m³ - Notes: UK

- OEL Type: National - TWA: 10 mg/m³ - Notes: Spain

- OEL Type: National - TWA: 10 mg/m³ - Notes: Portugal

- OEL Type: National - TWA: 6 mg/m³ - Notes: Denmark

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- OEL Type: National - TWA: 5 mg/m³ - STEL: 10 mg/m³ - Notes: Austria
- OEL Type: National - TWA: 3 mg/m³ - Notes: Switzerland
- OEL Type: National - TWA: 10 mg/m³ - STEL: 30 mg/m³ - Notes: Poland
- OEL Type: National - TWA: 10 mg/m³ - STEL: 5 mg/m³ - Notes: Norway
- OEL Type: National - TWA: 12 mg/m³ - STEL: 4 mg/m³ - Notes: Ireland
- OEL Type: National - TWA: 5 mg/m³ - Notes: Swedish (NGV) ; Biologiska gränsvärden för yrkesexponering
- OEL Type: ACGIH - TWA(8h): 2.5 mg/m³ - Notes: Finescale particles; (R) ; A3 - LRT irr, pneumoconiosis

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

- OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Skin and eye irr
- OEL Type: National - TWA: 150 mg/m³, 50 ppm - Notes: INRS, indicative limit
- OEL Type: National - TWA: 50 ppm - STEL: 75 ppm - Notes: DOW IHG
- OEL Type: National - TWA: 154 mg/m³, 50 ppm - STEL: 231 mg/m³, 75 ppm - Notes: WEL, Great Britain
- OEL Type: National - TWA: 310 mg/m³, 100 ppm - Notes: TRGS 900, AGW (Germany)
- OEL Type: OSHA PEL - TWA(8h): 300 mg/m³, 100 ppm - Notes: USA
- OEL Type: NIOSH REL - TWA(Up to 10h): 150 mg/m³, 50 ppm - Notes: USA

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

- OEL Type: National - TWA(8h): 188 mg/m³, 50 ppm - STEL: 375 mg/m³, 100 ppm - Notes: France VLEC - INRS TMP N°84
- OEL Type: National - TWA: 370 mg/m³, 100 ppm - Notes: Germany
- OEL Type: National - TWA: 180 mg/m³ - STEL: 360 mg/m³ - Notes: Poland
- OEL Type: EU - TWA(8h): 375 mg/m³, 100 ppm - STEL: 563 mg/m³, 150 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr
- OEL Type: National - TWA: 187 mg/m³, 50 ppm - STEL(15min (Miw)): 187 mg/m³, 50 ppm - Notes: Austria
- OEL Type: National - TWA(8h): 375 mg/m³, 100 ppm - STEL(15min (Miw)): 560 mg/m³, 150 ppm - Notes: United Kingdom - Skin
- OEL Type: National - TWA(8h): 188 mg/m³, 50 ppm - STEL: 375 mg/m³, 100 ppm - Notes: Canada (Gazette Officielle du Québec, January 4, 2023, Vol. 155, No.1)
- OEL Type: National - TWA: 180 mg/m³, 50 ppm - Notes: Norway (skin)
- OEL Type: DOW IHG - TWA: 1.5 ppm - STEL: 4.5 ppm

Quartz - CAS: 14808-60-7

- OEL Type: ACGIH - TWA(8h): 0.025 mg/m³ - Notes: (R), A2 - Pulm fibrosis, lung cancer
- OEL Type: National - TWA: 0.1 mg/m³ - Behaviour: Binding - Notes: France (fraction alvéolaire)
- OEL Type: National - TWA: 0.1 mg/m³ - Behaviour: Binding - Notes: France (fraction de poussière alvéolaire)
- OEL Type: EU - TWA: 0.1 mg/m³ - Notes: Directive (EU) No. 2017/2398 (respirable fraction)
- OEL Type: National - TWA: 0.05 mg/m³ - Notes: Spain
- OEL Type: National - TWA: 0.075 mg/m³ - Notes: Netherlands
- OEL Type: National - TWA: 0.05 mg/m³ - Notes: Finland

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- OEL Type: National - TWA: 0.1 mg/m³ - Notes: Denmark
- OEL Type: National - TWA: 0.15 mg/m³ - Notes: Austria
- OEL Type: National - TWA: 0.15 mg/m³ - Notes: Switzerland
- OEL Type: National - TWA: 0.1 mg/m³ - Notes: Poland
- OEL Type: National - TWA: 0.1 mg/m³ - STEL: 0.3 mg/m³ - Notes: Norway
- OEL Type: National - TWA: 0.1 mg/m³ - Notes: Belgium
- OEL Type: National - TWA: 0.07 mg/m³ - Notes: Bulgaria
- OEL Type: National - TWA: 0.1 mg/m³ - Notes: Czech Republic
- OEL Type: National - TWA: 0.1 mg/m³ - Notes: Estonia
- OEL Type: National - TWA: 0.15 mg/m³ - Notes: Hungary [AK] (respirable)
- OEL Type: National - TWA: 0.1 mg/m³ - STEL: 0.2 mg/m³ - Notes: Iceland
- OEL Type: National - TWA: 0.1 mg/m³ - Notes: Lithuania (IPRD)
- OEL Type: National - TWA: 0.1 mg/m³ - Notes: Romania
- OEL Type: National - TWA: 0.1 mg/m³ - Notes: Sweden

DNEL Exposure Limit Values

TITANIUM DIOXYDE - CAS: 13463-67-7

Worker Industry: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 700 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

Worker Industry: 310 mg/m³ - Consumer: 55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 310 mg/m³ - Consumer: 55 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 25 mg/kg - Exposure: Human Oral

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Worker Industry: 369 mg/m³ - Consumer: 43.9 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 50.6 mg/kg b.w./day - Consumer: 18.1 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 3.3 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 553.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)

Trimethylolpropane - CAS: 77-99-6

Worker Industry: 3.3 mg/m³ - Consumer: 0.58 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 0.94 mg/kg b.w./day - Consumer: 0.34 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.34 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

TITANIUM DIOXYDE - CAS: 13463-67-7

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Target: Fresh Water - Value: 0.184 mg/l
 Target: Fresh water - temporary - Value: 0.61 mg/l
 Target: Marine water - Value: 0.0184 mg/l
 Target: Sewage treatment plant - Value: 100 mg/l
 Target: Freshwater sediments - Value: 1000 mg/kg dw
 Target: Marine water sediments - Value: 100 mg/kg dw
 Target: Soil - Value: 100 mg/kg dw
 2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1
 Target: Fresh Water - Value: 0.4 mg/l
 Target: Marine water - Value: 0.04 mg/l
 Target: Marine water sediments - Value: 1.52 mg/kg
 Target: Freshwater sediments - Value: 0.152 mg/kg
 Target: Microorganisms in sewage treatments - Value: 10 mg/l
 Target: Soil (agricultural) - Value: 0.0699 mg/kg
 Target: Water (intermittent discharge) - Value: 11 mg/l
 1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
 Target: Fresh Water - Value: 10 mg/l
 Target: Freshwater sediments - Value: 41.6 mg/kg
 Target: Marine water sediments - Value: 4.17 mg/kg
 Target: Soil (agricultural) - Value: 2.47 mg/kg
 Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Marine water - Value: 1 mg/l
 Target: Water (intermittent discharge) - Value: 100 mg/l
 Trimethylolpropane - CAS: 77-99-6
 Target: Sewage treatment plant - Value: 100 mg/l

Biological Exposure Index
N.A.

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	White	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	100°C	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	Not Relevant	--	--
Flash point (°C):	52	--	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition temperature:	N.A.	--	--
pH:	7.0	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1.18	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

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Properties	Value	Method:	Notes
Viscosity:	160 cps	--	--

Volatile Organic compounds - VOCs = 5.5 g/l

N.A. = not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

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Acute toxicity

Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

Respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

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Not classified

Based on available data, the classification criteria are not met

STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

Aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

TITANIUM DIOXYDE - CAS: 13463-67-7

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 6.82 mg/l - Duration: 4h

STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat (Male, female) > 1000 mg/kg - Duration: 90 Jours - Source: OECD 408 - Subchronic toxicity

Test: NOAEL - Route: Oral - Species: Rat (male) = 24000 mg/kg - Duration: 29 days - Source: OECD 407 - Subchronic toxicity

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2830 mg/kg - Based on available data, the classification criteria are not met

Test: LD50 - Route: Oral - Species: Rat < 3350 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 18.18 mg/l

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit < 2460 mg/kg

Test: LC0 - Route: Inhalation - Species: Rat = 18.2 mg/m³ - Duration: 6 hours

STOT-single exposure:

Route: Inhalation 10 ppm

STOT-repeated exposure:

Test: NOAEL - Route: Inhalation - Species: Rat = 7.5 mg/l - Notes: 2500 ppm

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Acute toxicity

ATE - Oral 3739 mg/kg bw

ATE - Dermal 2001 mg/kg bw

ATE - Inhalation (Vapours) 30,02 mg/l

Test: LD50 - Route: Oral - Species: Rat (male) = 3739 mg/kg - Source: OECD 401

Test: LD50 - Route: Oral - Species: Rat (female) = 4277 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation Vapour - Species: Rat (Male, female) = 30.02 mg/l -

Duration: 4h - Source: OECD 403

Test: ATE - Route: Oral = 3739 mg/kg

Test: ATE - Route: Inhalation Vapour = 30.02 mg/l - Duration: 4h

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Trimethylolpropane - CAS: 77-99-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat (male) = 14700 mg/kg - Duration: 4h

Test: LC50 - Route: Inhalation (dust, mist) - Species: Rat (male) > 0.85 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 10000 mg/kg

Reproductive toxicity:

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 800 mg/kg bw/day - Source: OECD 422 - Notes: Test Type: Fertility

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 1000 mg/kg bw/day - Source: OECD 421 - Notes: Test Type: Fertility/early embryonic development

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 740 ppm - Source: OECD 443 - Notes: Test Type: Reproductive & developmental tox. study (parents)

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 740 ppm - Source: OECD 443 - Notes: Test Type: Reproductive & developmental tox. study (generation F1)

Test: LOAEL

- Route: Oral - Species: Rat (Male, female) = 740 ppm - Source: OECD 443 - Notes: Test Type: Reproductive and developmental toxicity study (generation F2)

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 2200 ppm - Source: OECD 443 - Notes: Test Type: Reproductive and developmental toxicity study ; fertility

Test: LOAEL

- Route: Oral - Species: Rat (Male, female) = 2200 ppm - Source: OECD 443 - Notes: Test Type: Reproductive and developmental toxicity study (fetal development)

STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 67 mg/kg - Duration: 90 Jours - Subchronic toxicity

Test: NOAEL - Route: Inhalation Vapour - Species: Rat (Male, female) = 20 mg/m³ - Duration: 15 days - Subchronic toxicity

Quartz - CAS: 14808-60-7

Acute toxicity:

Test: LC50 - Route: Oral = 500 mg/kg

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4467 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg - Notes: 24k

Test: LD50 - Route: Inhalation - Species: Rat = 11.3 mg/l - Duration: 4h

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration \geq 0.1%

Other toxicological information:

2-methylpropan-1-ol; iso-butanol

Skin contact:

Irritating to skin.

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Eye contact:

Severe eye damage

Foetal development:

NOAEL: 10 mg/l (3030 ppm) Maternal no-effect concentration: 10 mg/l (3030 ppm) (rat)

NOAEL: 10 mg/l (3030 ppm) Maternal no-effect concentration: 2.5 mg/l (758 ppm) (lapin)

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

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

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

TITANIUM DIOXYDE - CAS: 13463-67-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: OECD 203 ; Oncorhynchus mykiss

Endpoint: LC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: OECD 202 ; Daphnia magna

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: OECD 201 ; Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Algae >= 100 mg/l - Duration h: 72 - Notes: OECD 201 ; Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: bacteria > 1000 mg/l - Duration h: 3 - Notes: OECD 209 - Activated sludge

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1.430 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Algae = 632 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Algae = 53 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Daphnia = 1.100 mg/l - Duration h: 48

Endpoint: EC0 - Species: Algae = 350 mg/l

Endpoint: EC0 - Species: Fish = 280 mg/l - Notes: Pseudomonas putida

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 20 mg/l - Duration h: 504

f) Effects in sewage plants (activated sludge):

Endpoint: IC50 - Species: Fish > 1000 mg/l - Duration h: 16

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Leuciscus idus, LC/EC/IC50

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Algae > 1000 mg/l - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Fish < 4600 mg/l - Duration h: 96 - Notes: Leuciscus idus

Trimethylolpropane - CAS: 77-99-6

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a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Alburnus alburnus

Endpoint: EC50 - Species: Aquatic invertebrates = 13000 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Aquatic plants > 1000 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Microorganisms > 1000 mg/l - Duration h: 3 - Notes: Fresh water / eau douce - Activated sludge

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Aquatic invertebrates > 1000 mg/l - Duration h: 504 - Notes: Daphnia magna

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 6.7 mg/l

Endpoint: EC50 - Species: Algae = 3.2 mg/l - Notes: Pseudokirchneriella subcapitata

Endpoint: LC50 - Species: Fish = 14.8 mg/l - Notes: Oncorhynchus mykiss

12.2. Persistence and degradability

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

Biodegradability: Biodegradability rate - Duration: 28 days - %: 70-80

Biodegradability: Biodegradation in water - Test: OECD 301C - Duration: 14 days - %: 90

Biodegradability: Photodegradation (in air) - overall half-life time - Test: Degradation by OH radicals: Direct photolysis - Duration: 56 hours

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Biodegradability: Readily biodegradable

Trimethylolpropane - CAS: 77-99-6

Biodegradability: Non-readily biodegradable - Test: OECD 301E - Duration: 28 days - %: 6% - Notes: concentration 19 mg/l

Biodegradability: Intrinsically biodegradable - Test: OECD 302B - Duration: 28 days - %: 100% - Notes: concentration 100 mg/l

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9

Biodegradability: Biodegradability rate - Duration: 28 days - %: > 60 - Notes: (OECD Guideline 301 D (Closed Bottle))

12.3. Bioaccumulative potential

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

Almost non bioaccumulative

Log Kow - Test: OECD 107 0.79

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Log Pow 0.37

Trimethylolpropane - CAS: 77-99-6

BCF - Test: OECD 305C < 17 - Duration: 42 days - Notes: Cyprinus carpio

Log Pow -0.47 - Notes: 26°C

12.4. Mobility in soil

2-methylpropan-1-ol; iso-butanol - CAS: 78-83-1

Distribution between environmental compartments - Test: Koc 67.92 % - Notes: Water

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Distribution between environmental compartments - Test: Koc 32.02 % - Notes: Air
 Distribution between environmental compartments - Test: Koc 0.03 % - Notes: Soil
 Distribution between environmental compartments - Test: Koc 0.03 % - Notes: Sediment
 Surface tension 69.7 mN/m - Notes: 20 °C
 Volatility (H: Henry's Law Constant) 1.01E+00 Pa.m³/mol - Notes: 25 °C (calculated)
 Log Koc 0.31 - Notes: (calculated)

Trimethylolpropane - CAS: 77-99-6
 Log Koc 0.176
 Koc 1.499

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

No harmful effects expected.

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.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

14 06 03* Other solvents and solvent mixtures

SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number:	1263
IATA-UN Number:	1263
IMDG-UN Number:	1263

14.2. UN proper shipping name

ADR-Shipping Name:	PAINT RELATED MATERIAL
IATA-Shipping Name:	PAINT RELATED MATERIAL
IMDG-Shipping Name:	PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR-Class:	3
ADR - Hazard identification number:	30
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3

14.4. Packing group

ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III

14.5. Environmental hazards

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ADR-Environmental Pollutant: No
 IMDG-Marine pollutant: No
 IMDG-EmS: F-E , S-E

14.6. Special precautions for user

ADR-Subsidiary hazards: -
 ADR-S.P.: 163 367 650
 ADR-Transport category (Tunnel restriction code): 3 (D/E)
 IATA-Passenger Aircraft: 355
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 366
 IATA-S.P.: A3 A72 A192
 IATA-ERG: 3L
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category A
 IMDG-Segregation: -
 Q.L.: 5L
 Q.E.: E1

14.7. Maritime transport in bulk according to IMO instruments

N.A.

The product is transported in conditions that comply with exemption criteria for ADR transport.

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. 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. 2018/669 (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. 2021/849 (ATP 17 CLP)
 Regulation (EU) n. 2022/692 (ATP 18 CLP)

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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:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 30

Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006):

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

N.A.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c

15.2. Chemical safety assessment

No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

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H318 Causes serious eye damage.
 H336 May cause drowsiness or dizziness.
 H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
 H330 Fatal if inhaled.
 H310 Fatal in contact with skin.
 H301 Toxic if swallowed.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 EUH071 Corrosive to the respiratory tract.
 H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

This safety data sheet has been completely updated in compliance to Regulation 2020/878.
 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Eye Dam. 1, H318	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

CCNL - Appendix 1

Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product.

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 responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.

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IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
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.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.