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

Regulation (EU) n. 2020/878

Safety Data Sheet date: 4/3/2024, version 13

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

1.1. Product identifier

Trade name:	PROPACO SC
SDS code:	P19320
UFI:	65Q0-2PS7-WS13-HH83

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 <= 10 µm.

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/protective clothing/eye protection/face protection/hearing 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 Condensation products of triethanolamine and diethanolamine with addition product. May produce an allergic reaction.

EUH208 Contains maleic anhydride. May produce an allergic reaction.

Contains

butan-1-ol; n-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 >= 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
>= 10% - < 12.5%	TITANIUM DIOXYDE	CAS: EC: REACH No.:	13463-67-7 236-675-5 01-2119489379-17	The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).
>= 10% - < 12.5%	propan-2-ol; isopropyl alcohol; isopropanol	Index number: CAS: EC: REACH No.:	603-117-00-0 67-63-0 200-661-7 01-2119457558-25	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336
>= 5% - < 7%	(2-Methoxymethylethoxy)-propanol	Index number: CAS: EC: REACH No.:	603_998_97_1 34590-94-8 252-104-2 01-2119450011-60	Substance with a Union workplace exposure limit.
>= 3% - < 5%	butan-1-ol; n-butanol	Index number: CAS: EC: REACH No.:	603-004-00-6 71-36-3 200-751-6 01-2119484630-38	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 3.1/4/Oral Acute Tox. 4 H302
>= 0.3% - < 0.5%	ammonia ....%	Index number: CAS: EC: REACH No.:	007-001-01-2 1336-21-6 215-647-6 01-2119488876-14	3.3/1 Eye Dam. 1 H318 3.2/1B Skin Corr. 1B H314 4.1/C2 Aquatic Chronic 2 H411 4.1/A1 Aquatic Acute 1 H400 3.8/3 STOT SE 3 H335 Specific Concentration Limits: C >= 5%: STOT SE 3 H335
>= 0.1% - < 0.25%	Condensation products of triethanolamine and diethanolamine with addition product	EC: REACH No.:	309-692-1 01-2119972936-19	3.4.2/1B Skin Sens. 1B H317
>= 0.001% - < 0.1%	Quartz	CAS: EC:	14808-60-7 238-878-4	Substance with a Union workplace exposure limit.

< 0.0005%	maleic anhydride	Index number: CAS: EC: REACH No.:	607-096-00-9 108-31-6 203-571-6 01-2119472428-31	3.1/4/Oral Acute Tox. 4 H302 3.9/1 STOT RE 1 H372 (Respiratory system) (Inhalation) 3.2/1B Skin Corr. 1B H314 3.3/1 Eye Dam. 1 H318 3.4.1/1 Resp. Sens. 1 H334 3.4.2/1A Skin Sens. 1A H317 EUH071 Specific Concentration Limits: C >= 0,001%: Skin Sens. 1A H317 Acute Toxicity Estimate: ATE - Oral 1090 mg/kg bw

Substances in nanoform:

< 0.0005% maleic anhydride

REACH No.: 01-2119472428-31, Index number: 607-096-00-9, CAS: 108-31-6, EC: 203-571-6

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 opthalmologist 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.
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:
Contamined 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
- 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

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

- OEL Type: National - STEL: 980 mg/m3, 400 ppm - Notes: France
- OEL Type: National - TWA: 500 mg/m3, 200 ppm - Notes: DFG, Y - Germany
- OEL Type: National - TWA: 999 mg/m3, 400 ppm - STEL: 1250 mg/m3, 500 ppm - Notes: United Kingdom
- OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair
- OEL Type: National - TWA: 999 mg/m3, 400 ppm - STEL: 1250 mg/m3, 500 ppm
- OEL Type: OSHA PEL - TWA: 980 mg/m3, 400 ppm
- OEL Type: NIOSH REL - TWA: 980 mg/m3, 400 ppm - STEL: 1225 mg/m3, 500 ppm
- OEL Type: National - TWA: 500 mg/m3, 200 ppm - STEL(30min (Miw)): 1960 mg/m3, 800 ppm - Notes: Österreich

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

- OEL Type: National - TWA(8h): 310 mg/m3 - Notes: Germany - Notes DFG, EU
- OEL Type: National - TWA(8h): 308 mg/m3, 50 ppm - Behaviour: Binding - Notes: France VLEC - TMP N° 84 (peau)
- OEL Type: EU - TWA(8h): 308 mg/m3, 50 ppm - Notes: Skin
- OEL Type: National - TWA: 270 mg/m3 - STEL: 550 mg/m3 - Notes: Czech Republic
- OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Liver & CNS eff
- OEL Type: National - TWA(8h): 308 mg/m3, 50 ppm - Notes: UK - Skin

- OEL Type: National - TWA: 307 mg/m3, 50 ppm - STEL(5 min (Mow)): 614 mg/m3, 100 ppm - Notes: Österreich
- OEL Type: National - TWA: 308 mg/m3, 50 ppm - Notes: TWA Poland
- OEL Type: National - TWA: 240 mg/m3 - STEL: 480 mg/m3 - Notes: Poland (NDS, NDSCh)

butan-1-ol; n-butanol - CAS: 71-36-3

- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: Eye and URT irr
- OEL Type: National - STEL(15min (Miw)): 150 mg/m3, 50 ppm - Notes: France (INRS)

ammonia ....% - CAS: 1336-21-6

- OEL Type: EU - TWA: 14 mg/m3, 20 ppm - STEL: 36 mg/m3, 50 ppm
- OEL Type: National - TWA: 14 mg/m3, 20 ppm - STEL: 36 mg/m3, 50 ppm - Notes: Spain

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
- 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

maleic anhydride - CAS: 108-31-6

- OEL Type: ACGIH - TWA(8h): 0.01 mg/m3 - Notes: (IFV), DSEN, RSEN, A4 - Resp sens
- OEL Type: National - STEL: 1 mg/m3 - Notes: France - VLCT (VLE) INRS

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

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Worker Industry: 888 mg/kg - Consumer: 319 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 500 mg/kg - Consumer: 89 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Worker Industry: 65 mg/kg b.w./day - Consumer: 15 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 310 mg/m3 - Consumer: 37.2 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.67 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

butan-1-ol; n-butanol - CAS: 71-36-3

Worker Industry: 310 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term (repeated) - Notes: 100 ppm

Consumer: 3125 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated) - Notes: 1 day

Consumer: 55 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term (repeated)

ammonia ....% - CAS: 1336-21-6

Worker Industry: 6.8 mg/kg b.w./day - Consumer: 68 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 47.6 mg/m3 - Consumer: 23.8 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 47.6 mg/m3 - Consumer: 23.8 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 36 mg/m3 - Consumer: 7.2 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 14 mg/m3 - Consumer: 6.8 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

TITANIUM DIOXYDE - CAS: 13463-67-7

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

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Target: Fresh Water - Value: 140.9 mg/l

Target: Marine water - Value: 140.9 mg/l

Target: Freshwater sediments - Value: 552 mg/kg

Target: Marine water sediments - Value: 552 mg/kg

Target: Soil (agricultural) - Value: 28 mg/kg
Target: Microorganisms in sewage treatments - Value: 2251 mg/l
Target: Water (intermittent discharge) - Value: 140.9 mg/l
Target: Oral (secondary poisoning) (foodstuff) - Value: 160 mg/kg
(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8
Target: Fresh Water - Value: 19 mg/l
Target: Marine water - Value: 1.9 mg/l
Target: Microorganisms in sewage treatments - Value: 4168 mg/l
Target: Freshwater sediments - Value: 70.2 mg/kg - Notes:: mg/kg p.s.
Target: Marine water sediments - Value: 7.02 mg/kg - Notes:: mg/kg p.s.
Target: Soil (agricultural) - Value: 2.74 mg/kg - Notes:: mg/kg p.s.
Target: Water (intermittent discharge) - Value: 190 mg/l
butan-1-ol; n-butanol - CAS: 71-36-3
Target: Fresh Water - Value: 0.082 mg/l
Target: Marine water - Value: 0.0082 mg/l
Target: Freshwater sediments - Value: 0.178 mg/kg
Target: Marine water sediments - Value: 0.0178 mg/kg
Target: Soil (agricultural) - Value: 0.015 mg/kg
ammonia ....% - CAS: 1336-21-6
Target: Fresh Water - Value: 0.0011 mg/l
Target: Marine water - Value: 0.0011 mg/l
Target: Water (intermittent discharge) - Value: 0.089 mg/l
maleic anhydride - CAS: 108-31-6
Target: Fresh Water - Value: 0.04281 mg/l
Target: Marine water - Value: 0.004281 mg/l
Target: Water (intermittent discharge) - Value: 0.4281 mg/l
Target: Soil - Value: 0.0415 mg/l
Target: Freshwater sediments - Value: 0.334 mg/kg
Target: Marine water sediments - Value: 0.0334 mg/kg
Target: Sewage treatment plant - Value: 44.6 mg/l

Biological Exposure Index
N.A.

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:
Safety goggles (EN 166)
Face protection shield. (EN 166)
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Protection for hands:
Suitable gloves type: NF EN374
NR (natural rubber, natural latex).
PVC (polyvinyl chloride).
Butyl rubber (isobutylene-isoprene copolymer)
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

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Yellow	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	82 °C	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	1.1-14%	--	--
Flash point (°C):	29 °C	EN ISO 1523	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition temperature:	>180 °C	--	--
pH:	7	--	--
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	1.15	--	--

density:			
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	80 SEC	ISO 2431, NF EN 535	--

Volatile Organic compounds - VOCs = 21.5 %
Volatile Organic compounds - VOCs = 243.5 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:

PROPACO SC

Acute toxicity

Not classified

Based on available data, the classification criteria are not met

ATEmix - Oral 19750 mg/kg bw

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
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
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 4570 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/l - Duration: 8h
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 25000 mg/m3 - Duration: 6 hours
Test: LD50 - Route: Skin - Species: Rabbit = 12.800 mg/kg
Reproductive toxicity:
Test: NOAEL - Route: Oral - Species: Rat = 500 mg/kg
STOT-repeated exposure:
Test: NOAEL - Route: Inhalation - Species: Rat = 1.3 mg/l
Test: NOAEL - Route: Inhalation Vapour - Species: Rat (Male, female) = 12.5 mg/l
(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8
Acute toxicity
ATE - Oral 5001 mg/kg bw

ATE - Dermal 9510 mg/kg bw
ATE - Inhalation (Vapours) 3,35 mg/l
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 3350 mg/m3 - Notes: aerosol, 7h
Test: ATE - Route: Oral > 5000 mg/kg
Test: ATE - Route: Inhalation Vapour = 3.35 mg/l - Duration: 7h
Test: ATE - Route: Skin = 9510 mg/kg

butan-1-ol; n-butanol - CAS: 71-36-3
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 790 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg - Duration: 4h
Test: LC50 - Route: Inhalation - Species: Rat = 24.67 mg/l - Duration: 4h

ammonia ....% - CAS: 1336-21-6
Acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat = 7035 mg/m3 - Notes: 30 min
Test: LD50 - Route: Oral - Species: Rat = 350 mg/kg
Test: LD50 = 750 mg/kg - Source: chat
Test: LD50 = 43 mg/kg - Source: humain
Respiratory or skin sensitisation:
Test: NOAEL - Route: Inhalation = 67 mg/kg - Duration: 28 days

Condensation products of triethanolamine and diethanolamine with addition product
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat (Male, female) > 5.385 mg/kg - Source: OECD 401
STOT-repeated exposure:
Test: NOAEL - Species: Rat (Male, female) = 1000 mg/kg - Source: OECD 402

Quartz - CAS: 14808-60-7
Acute toxicity:
Test: LC50 - Route: Oral = 500 mg/kg

maleic anhydride - CAS: 108-31-6
Acute toxicity
ATE - Oral 1090 mg/kg bw
Test: LD50 - Route: Oral - Species: Rat (Male, female) = 1090 mg/kg - Source: OECD 401
Test: ATE - Route: Oral = 1090 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit (male, female) = 2620 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:
propan-2-ol; isopropyl alcohol; isopropanol
Severe eye damage/irritation:
Irritating to eyes

Foetal development:
Toxic effects on foetal development at doses that produce effects in mothers.
No teratogenic effects, NOAEL: 400 mg/kg Maternal No Effect Concentration: 400 mg/kg (rat)
Absence of toxic effects on foetal development. NOAEL: > 480 mg/kg. Maternal No-effect Concentration: 240 mg/kg (rabbit)
Inhalation:
Irritating to eyes and respiratory tract (vapour, 1.0 mg/l)
-

butan-1-ol; n-butanol
Skin corrosion/skin irritation:
Irritating to skin.
Rabbit, Result: Irritant, OECD Guideline 404
Rabbit, Result: Risk of serious eye damage, OECD Guideline 405.
-

ammonia ....%
Skin corrosion/skin irritation:
Causes burns.
Severe eye damage/irritation:
Severe eye damage
-

maleic anhydride
Eyes : corrosive (rabbit)

SECTION 12: Ecological information

12.1. Toxicity

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

PROPACO SC

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

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 48 - Notes: Leuciscus melanotus

Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Daphnia > 10.000 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: NOAEC - Species: Algae = 1800 mg/l - Duration h: 84 - Notes: Algues vertes / Green algae

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 100 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Species: bacteria = 1.050 mg/l

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 96 - Notes: Crangon crangon

Endpoint: EC50 - Species: Algae > 969 mg/l

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia > 0.5 mg/l - Duration h: 528 - Notes: LOEC: > 0,5 mg/l, 22 days

e) Plant toxicity:

Endpoint: NOEC = 250000 mg/l

butan-1-ol; n-butanol - CAS: 71-36-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1376 mg/l - Duration h: 96 - Notes: OECD 203; ISO 7346; 92/69/CEE, C.1, static ; Pimephales promelas

Endpoint: EC50 - Species: Aquatic invertebrates = 1328 mg/l - Duration h: 48 - Notes: OECD 202; daphnia magna

Endpoint: EC50 - Species: Aquatic plants = 225 mg/l - Duration h: 96 - Notes: OECD 201; Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Aquatic plants = 129 mg/l - Duration h: 96 - Notes: OECD 201; Pseudokirchneriella subcapitata

Endpoint: EC10 - Species: Microorganisms = 2476 mg/l - Duration h: 17 - Notes: DIN 38412; Pseudomonas putida - Activated sludge

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Aquatic invertebrates = 4.1 mg/l - Duration h: 504 - Notes: OECD 211; daphnia magna

ammonia ....% - CAS: 1336-21-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.89 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 101 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.79 mg/l - Duration h: 96

Condensation products of triethanolamine and diethanolamine with addition product

a) Aquatic acute toxicity:

Endpoint: LL50

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

Endpoint: EL50

- Species: Daphnia Magna > 100 mg/l - Duration h: 48 - Notes: OECD 202

Endpoint: ErL50 - Species: Pseudokirchneriella subcapitata = 105 mg/l - Duration h: 72 - Notes: OECD 201

Endpoint: EC50 - Species: bacteria > 1000 mg/l - Duration h: 3 - Notes: OECD 209 (activated sludge/boue activée)

maleic anhydride - CAS: 108-31-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Oncorhynchus mykiss = 75 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia Magna = 42.81 mg/l - Duration h: 48 - Notes: OECD 202

Endpoint: EC50r - Species: Pseudokirchneriella subcapitata = 74.35 mg/l - Duration h: 72 - Notes: OECD 201

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia Magna = 10 mg/l - Duration h: 504

12.2. Persistence and degradability

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Biodegradability: Readily biodegradable - Duration: 5 days - %: 53 - Notes: Aerobie, activated sludge

Biodegradability: Oxidizes rapidly by photochemical reactions in air.

Biodegradability: Photodegradation (in air) - overall half-life time - Test: Degradation by OH radicals: Direct photolysis - Duration: 33 hours

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Biodegradability: Biodegradability rate - Test: OECD 301F - Duration: 28 days - %: 75

Biodegradability: Biodegradability rate - Test: OECD 302B - Duration: 13 days - %: 93

butan-1-ol; n-butanol - CAS: 71-36-3

Biodegradability: Readily biodegradable - Duration: 19 days - %: > 70% - Notes: Aerobic

ammonia ....% - CAS: 1336-21-6

Biodegradability: Intrinsically biodegradable

Condensation products of triethanolamine and diethanolamine with addition product

Biodegradability: Moderately/partially eliminated from water. Disposal by adsorption on activated sludge - Test: OECD 301F

maleic anhydride - CAS: 108-31-6

Biodegradability: Readily biodegradable - Test: OECD 301B

12.3. Bioaccumulative potential

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Estimated not significantly bioaccumulative.

Log Pow <=4

Log Kow 0.05 - Notes: 25°C

(2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8

Log Pow 1.01

BCF < 100

ammonia ....% - CAS: 1336-21-6

Log Pow -0.64

maleic anhydride - CAS: 108-31-6

Log Pow - Test: OECD 107 -2.61 - Notes: (19,8 °C) pH: 4 - 9

12.4. Mobility in soil

ammonia ....% - CAS: 1336-21-6

Log Koc 13.8

maleic anhydride - CAS: 108-31-6

Log Koc 1.63

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

ADR-Enviromental 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.

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)

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 75

Listed or in compliance with the following international inventories:
AICS - Australian Inventory of Chemical Substances
Canada (NDSL): One or more substances of this product is on the NDSL list.
IECSC - Inventory of Existing Chemical Substances Produced or Imported in China
KECI - Koreal Existing Chemical Inventory
NZIoC - New Zealand Inventory of Chemicals
PICCS - Philippine Inventory of Chemicals and Chemical Substances
TSCA - Toxic Substances Control Act

Labelling of detergents (EC Regulations 648/2004 and 907/2006):
PROPACO SC
Preservatives: benzotriazole

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:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H226 Flammable liquid and vapour.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H317 May cause an allergic skin reaction.
H372 (Respiratory system) (Inhalation) Causes damage to organs (Respiratory system) through prolonged or repeated exposure if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
EUH071 Corrosive to the respiratory tract.

Hazard class and hazard category	**Code**	**Description**
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
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
Resp. Sens. 1	3.4.1/1	Respiratory Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1

Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

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]:

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.
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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.
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.