

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))  
PCEH 100 BEIGE PB**

Regulation (EU) n. 2020/878

**Safety Data Sheet date: 20/12/2023, version 1****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: PCEH 100 BEIGE PB  
SDS code: 100276EU  
UFI: 6U7H-SY23-5990-PMRU

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

Recommended use:

Industrial uses  
Paint/Coating

**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

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax  
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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)**

- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.
- ⚠ Warning, Aquatic Acute 1, Very toxic to aquatic life.
- ⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

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  $\leq 10 \mu\text{m}$ .

Adverse physicochemical, human health and environmental effects:

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No other hazards

### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

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

P391 Collect spillage.

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.

Contains

polyamideamine

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
$\geq 10\%$ - $< 12.5\%$	polyamideamine		☞ 3.3/1 Eye Dam. 1 H318
$\geq 7\%$ - $< 10\%$	trizinc bis(orthophosphate)	Index number: CAS: EC:	030-011-00-6 7779-90-0 231-944-3 ☞ 4.1/A1 Aquatic Acute 1 H400 ☞ 4.1/C1 Aquatic Chronic 1 H410

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>= 0.001% - < 0.1%	2-methoxy-1-methylethyl acetate	Index number: CAS: EC: REACH No.:	607-195-00-7 108-65-6 203-603-9 01-2119475791-29	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336 EUH066
>= 0.001% - < 0.1%	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	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336
>= 0.001% - < 0.1%	(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.
>= 0.001% - < 0.1%	Quartz	CAS: EC:	14808-60-7 238-878-4	Substance with a Union workplace exposure limit.

**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**

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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.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

High power water jet

### 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.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

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

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## 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

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Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

#### 7.3. Specific end use(s)

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limit values

trizinc bis(orthophosphate) - CAS: 7779-90-0

- OEL Type: EU - TWA: 10 mg/m<sup>3</sup> - Notes: Inhalable dust
- OEL Type: National - TWA: 0.9 mg/m<sup>3</sup> - Notes: France ; fraction alvéolaire (Article R4412-149 du Code du travail (réf. : INRS ED 984, 2016; Décret n° 2021-1763)
- OEL Type: National - TWA: 4 mg/m<sup>3</sup> - Notes: France ; poussières totales Article R4412-149 du Code du travail (réf. : INRS ED 984, 2016; Décret n° 2021-1763)
- OEL Type: National - TWA: 1.25 mg/m<sup>3</sup> - Notes: Germany ; fraction alvéolaire (TRGS900)
- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Germany ; poussières totales (TRGS900)
- OEL Type: National - TWA(8h): 10 mg/m<sup>3</sup> - Notes: UK ; inhalable dust
- OEL Type: National - TWA(8h): 4 mg/m<sup>3</sup> - Notes: UK ; respirable dust
- OEL Type: National - TWA: 3 mg/m<sup>3</sup> - Notes: Belgique ; particules respirables
- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Belgique ; poussière inhalable
- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - STEL: 10 mg/m<sup>3</sup> - Notes: Austria ; respirable dust
- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - STEL: 20 mg/m<sup>3</sup> - Notes: Austria ; respirable dust
- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - STEL: 10 mg/m<sup>3</sup> - Notes: Denmark ; respirable dust
- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - STEL: 20 mg/m<sup>3</sup> - Notes: Denmark ; respirable dust
- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Finland ; respirable dust
- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Hungary ; inhalable dust
- OEL Type: National - TWA: 6 mg/m<sup>3</sup> - Notes: Hungary ; respirable dust
- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Ireland ; inhalable dust
- OEL Type: National - TWA: 4 mg/m<sup>3</sup> - Notes: Ireland ; respirable dust
- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Italy ; inhalable dust
- OEL Type: National - TWA: 3 mg/m<sup>3</sup> - Notes: Italy ; respirable dust
- OEL Type: National - TWA(8h): 10 mg/m<sup>3</sup> - Notes: Netherlands ; inhalable dust
- OEL Type: National - TWA(8h): 5 mg/m<sup>3</sup> - Notes: Netherlands ; respirable dust
- OEL Type: National - TWA(8h): 10 mg/m<sup>3</sup> - Notes: Poland ; inhalable dust

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

- OEL Type: ACGIH - TWA(8h): 150 ppm - STEL: 100 ppm
- OEL Type: National - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Behaviour: Binding - Notes: France VLEPC

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- OEL Type: National - TWA(8h): 270 mg/m<sup>3</sup>, 50 ppm - Notes: GERMANY
- OEL Type: National - TWA(8h): 274 mg/m<sup>3</sup>, 50 ppm - STEL: 548 mg/m<sup>3</sup>, 100 ppm - Notes: UK (WELs)
- OEL Type: National - TWA: 260 mg/m<sup>3</sup> - STEL: 520 mg/m<sup>3</sup> - Notes: POLAND
- OEL Type: EU - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: Skin
- OEL Type: AIHA
- TWA: 50 ppm
- OEL Type: National - TWA: 275 mg/m<sup>3</sup>, 50 ppm - STEL(5 min (Mow)): 550 mg/m<sup>3</sup>, 100 ppm - Notes: Österreich
- 1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
  - OEL Type: National - TWA(8h): 188 mg/m<sup>3</sup>, 50 ppm - STEL: 375 mg/m<sup>3</sup>, 100 ppm - Notes: France VLEC - INRS TMP N°84
  - OEL Type: National - TWA: 370 mg/m<sup>3</sup>, 100 ppm - Notes: Germany
  - OEL Type: National - TWA: 180 mg/m<sup>3</sup> - STEL: 360 mg/m<sup>3</sup> - Notes: Poland
  - OEL Type: EU - TWA(8h): 375 mg/m<sup>3</sup>, 100 ppm - STEL: 563 mg/m<sup>3</sup>, 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/m<sup>3</sup>, 50 ppm - STEL(Mow): 187 mg/m<sup>3</sup>, 50 ppm - Notes: Austria
  - OEL Type: National - TWA(8h): 375 mg/m<sup>3</sup>, 100 ppm - STEL(15'): 560 mg/m<sup>3</sup>, 150 ppm - Notes: United Kingdom - Skin
  - OEL Type: National - TWA(8h): 188 mg/m<sup>3</sup>, 50 ppm - STEL: 375 mg/m<sup>3</sup>, 100 ppm - Notes: Canada (Gazette Officielle du Québec, January 4, 2023, Vol. 155, No.1)
- (2-Methoxymethylethoxy)-propanol - CAS: 34590-94-8
  - OEL Type: National - TWA(8h): 310 mg/m<sup>3</sup> - Notes: Germany - Notes DFG, EU
  - OEL Type: National - TWA(8h): 308 mg/m<sup>3</sup>, 50 ppm - Notes: France VLEC - TMP N° 84
  - OEL Type: EU - TWA(8h): 308 mg/m<sup>3</sup>, 50 ppm - Notes: Skin
  - OEL Type: National - TWA: 270 mg/m<sup>3</sup> - STEL: 550 mg/m<sup>3</sup> - Notes: Czech Republic
  - OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Liver & CNS eff
  - OEL Type: National - TWA(8h): 308 mg/m<sup>3</sup>, 50 ppm - Notes: UK - Skin
  - OEL Type: National - TWA: 307 mg/m<sup>3</sup>, 50 ppm - STEL(5 min (Mow)): 614 mg/m<sup>3</sup>, 100 ppm - Notes: Österreich
  - OEL Type: National - TWA: 308 mg/m<sup>3</sup>, 50 ppm - Notes: TWA Poland
  - OEL Type: National - TWA: 240 mg/m<sup>3</sup> - STEL: 480 mg/m<sup>3</sup> - Notes: Poland (NDS, NDSCh)
- Quartz - CAS: 14808-60-7
  - OEL Type: ACGIH - TWA(8h): 0.025 mg/m<sup>3</sup> - Notes: (R), A2 - Pulm fibrosis, lung cancer
  - OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Behaviour: Binding - Notes: France (fraction alvéolaire)
  - OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Behaviour: Binding - Notes: France (fraction de poussière alvéolaire)
  - OEL Type: EU - TWA: 0.1 mg/m<sup>3</sup> - Notes: Directive (EU) No. 2017/2398 (respirable fraction)
  - OEL Type: National - TWA: 0.05 mg/m<sup>3</sup> - Notes: Spain

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- OEL Type: National - TWA: 0.075 mg/m<sup>3</sup> - Notes: Netherlands
- OEL Type: National - TWA: 0.05 mg/m<sup>3</sup> - Notes: Finland
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Notes: Denmark
- OEL Type: National - TWA: 0.15 mg/m<sup>3</sup> - Notes: Austria
- OEL Type: National - TWA: 0.15 mg/m<sup>3</sup> - Notes: Switzerland
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Notes: Poland
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - STEL: 0.3 mg/m<sup>3</sup> - Notes: Norway
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Notes: Belgium
- OEL Type: National - TWA: 0.07 mg/m<sup>3</sup> - Notes: Bulgaria
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Notes: Czech Republic
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Notes: Estonia
- OEL Type: National - TWA: 0.15 mg/m<sup>3</sup> - Notes: Hungary [AK] (respirable)
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - STEL: 0.2 mg/m<sup>3</sup> - Notes: Iceland
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Notes: Lithuania (IPRD)
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Notes: Romania
- OEL Type: National - TWA: 0.1 mg/m<sup>3</sup> - Notes: Sweden

#### DNEL Exposure Limit Values

trizinc bis(orthophosphate) - CAS: 7779-90-0

Worker Industry: 83 mg/kg b.w./day - Consumer: 83 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 5 mg/m<sup>3</sup> - Consumer: 2.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.83 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 796 mg/kg b.w./day - Consumer: 320 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m<sup>3</sup> - Consumer: 33 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 36 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 550 mg/m<sup>3</sup> - Consumer: 33 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

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

Worker Industry: 369 mg/m<sup>3</sup> - Consumer: 43.9 mg/m<sup>3</sup> - 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/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term (acute)

(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

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Worker Industry: 310 mg/m<sup>3</sup> - Consumer: 37.2 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
Frequency: Long Term, systemic effects  
Consumer: 1.67 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term,  
systemic effects

## PNEC Exposure Limit Values

trizinc bis(orthophosphate) - CAS: 7779-90-0

Target: Fresh Water - Value: 0.0206 mg/l

Target: Marine water - Value: 0.0061 mg/l

Target: Freshwater sediments - Value: 117.8 mg/kg dwt

Target: Marine water sediments - Value: 56.5 mg/kg dwt

Target: Soil - Value: 35.6 mg/kg dwt

Target: Sewage treatment plant - Value: 0.052 mg/l

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Fresh Water - Value: 0.635 mg/l

Target: Marine water - Value: 0.0635 mg/l

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Freshwater sediments - Value: 3.29 mg/kg dw

Target: Marine water sediments - Value: 0.329 mg/kg dw

Target: Soil - Value: 0.29 mg/kg

Target: PNEC intermittent - Value: 6.35 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

(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

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.



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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

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Beige	--	--
Odour:	inodore/ odorless	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	>36°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	>94°C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	Not Relevant	--	--
pH:	8	--	--
Kinematic viscosity:	> 20,5 mm <sup>2</sup> / sec (40 °C)	--	--
Solubility in water:	miscible	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--

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Vapour pressure:	<1.000 hPa (50°C)	--	--
Density and/or relative density:	~1.44 g/cm <sup>3</sup>	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	>20.6 mm <sup>2</sup> /s (40°C)	--	--

Volatile Organic compounds - VOCs = 0.28 %

Volatile Organic compounds - VOCs = 4.03 g/l

N.A. = not available

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**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**

Strong oxidizers.

**10.6. Hazardous decomposition products**

None.

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**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

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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:

trizinc bis(orthophosphate) - CAS: 7779-90-0

Acute toxicity:

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

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

Test: LC50 - Route: Inhalation (dust, mist) - Species: Rat = 5.7 mg/l - Duration: 4h

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l

Test: LC50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Source: OECD 402

Test: LC0 - Route: Inhalation Vapour - Species: Rabbit = 23.5 mg/l - Source: OECD 403

Test: ATE - Route: Oral > 5000 mg/kg

Test: ATE - Route: Inhalation Vapour > 23.5 mg/l - Duration: 6 hours

Test: ATE - Route: Skin > 5000 mg/kg

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

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

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

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

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

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## 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 &gt; 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 3350 mg/m<sup>3</sup> - Notes: aerosol, 7h

Test: ATE - Route: Oral &gt; 5000 mg/kg

Test: ATE - Route: Inhalation Vapour = 3.35 mg/l - Duration: 7h

Test: ATE - Route: Skin = 9510 mg/kg

Quartz - CAS: 14808-60-7

## Acute toxicity:

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

**11.2. Information on other hazards**

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$ 

Other toxicological information:

None.

**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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The product is classified: Aquatic Acute 1 - H400; Aquatic Chronic 2 - H411

trizinc bis(orthophosphate) - CAS: 7779-90-0

## a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.140 mg/l

Endpoint: EC50 - Species: Daphnia = 0.04 mg/l

Endpoint: EC50 - Species: Algae = 0.136 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 0.215 mg Zn/l - Duration h: 96 - Notes: pH 6 ; Cottus bairdii

Endpoint: LC50 - Species: Fish = 0.435 mg Zn/l - Duration h: 96 - Notes: pH 8 ; Cottus bairdii

Endpoint: EC50 - Species: Crustacea = 0.154 mg Zn/l - Duration h: 48 - Notes: pH 6 ; daphnia magna

Endpoint: EC50 - Species: Crustacea = 0.095 mg Zn/l - Duration h: 48 - Notes: pH 8 ; daphnia magna

Endpoint: EC50 - Species: Algae = 0.308 mg Zn/l - Duration h: 72 - Notes: pH 6 ; Selenastrum capricornutum

Endpoint: EC50 - Species: Algae = 0.041 mg Zn/l - Duration h: 72 - Notes: pH 8 ; Selenastrum capricornutum

## b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 0.06 mg/l

Endpoint: NOEC - Species: Algae = 0.055 mg/l - Notes: Selenastrum capricornutum

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

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a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Aquatic plants > 1000 mg/l - Duration h: 72 - Notes: Selenastrum capricornutum, OECD 201

Endpoint: LC50 - Species: Fish = 134 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss, OECD 203

Endpoint: EC50 - Species: Invertebrates > 500 mg/l - Duration h: 48 - Notes: Daphnia magna

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336 - Notes: Oryzias latipes, OECD 204

Endpoint: NOEC - Species: Invertebrates > 100 mg/l - Duration h: 504 - Notes: Daphnia magna, OECD 202

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

(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

#### 12.2. Persistence and degradability

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Biodegradability: Biological oxygen demand (BOD) - Test: OECD 301F - Duration: 28 days - %: 83% - Notes: ISO 9408; 92/69/CEE, C.4-D

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

Biodegradability: Readily biodegradable

(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

#### 12.3. Bioaccumulative potential

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

BCF < 100

Log Pow < 3

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

Log Pow 0.37

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

Log Pow 1.01

BCF < 100

#### 12.4. Mobility in soil

N.A.

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#### 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  $\geq 0.1\%$

#### 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):

08 01 11\* wastes of paint and varnish containing organic solvents or other dangerous substances

### SECTION 14: Transport information



#### 14.1. UN number or ID number

ADR-UN Number: 3082

IATA-UN Number: 3082

IMDG-UN Number: 3082

#### 14.2. UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate))

#### 14.3. Transport hazard class(es)

ADR-Class: 9

ADR - Hazard identification number: 90

IATA-Class: 9

IATA-Label: 9

IMDG-Class: 9

#### 14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

#### 14.5. Environmental hazards

ADR-Environmental Pollutant: Yes

IMDG-Marine pollutant: Yes

IMDG-EmS: F-A , S-F

#### 14.6. Special precautions for user

ADR-Subsidiary hazards: -

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ADR-S.P.: 274 335 375 601  
ADR-Transport category (Tunnel restriction code): 3 (-)  
IATA-Passenger Aircraft: 964  
IATA-Subsidiary hazards: -  
IATA-Cargo Aircraft: 964  
IATA-S.P.: A97 A158 A197 A215  
IATA-ERG: 9L  
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.

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**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

Restrictions related to the substances contained:

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Restriction 40

Restriction 70

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: E1, E2

**15.2. Chemical safety assessment**

No

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**SECTION 16: Other information**

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.



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Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
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
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
Eye Dam. 1, H318	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 2, H411	Calculation method

Due to the integration of the Mader Aero products range into the Socomore Group, all Safety Data Sheets have been re-evaluated on the basis of consolidated information. This may have led to significant changes in our Safety Data Sheets. If you have any questions regarding these changes, you can contact us at the address indicated in section 1.

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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outside of this framework without our written consent is strictly forbidden.

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.
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

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TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day.  
(ACGIH Standard).

WGK: German Water Hazard Class.