

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))**  
**SOCOGLAZE PRIMER WB 410 GRIS PA**

Regulation (EU) n. 2020/878

**Safety Data Sheet date: 19/9/2024, version 2****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name: SOCOGLAZE PRIMER WB 410 GRIS PA  
SDS code: 103285EU  
UFI: FWNA-VN8U-DK9F-VU8V

**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 90

Manufacturing - Parc Gohelis - 56250 ELVEN 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 +353 21 4889923 / ireland@socomore.com

**Distributors:**

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**Competent person responsible for the safety data sheet:**

msdsinformation-eu@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, Skin Irrit. 2, Causes skin irritation.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.
- ⚠ 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.

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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:

No other hazards

**2.2. Label elements**

Hazard pictograms:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P391 Collect spillage.

Special Provisions:

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

EUH208 Contains bis-[4-(2,3-epoxipropoxy)phenyl]propane. May produce an allergic reaction.

EUH208 Contains Reaction products of hexane-1,6-diol with 2-(chloromethyl) oxirane. May produce an allergic reaction.

EUH208 Contains 2-METHYL-2H-ISOTHIAZOLE-3-ONE. May produce an allergic reaction.

Contains

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and

2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and

2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane

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  $\geq 0.1\%$

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**SECTION 3: Composition/information on ingredients****3.1. Substances**

N.A.

**3.2. Mixtures**

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

Qty	Name	Ident. Number	Classification
>= 7% - < 10%	bis-[4-(2,3-epoxipropoxy)phenyl]propane	CAS: 1675-54-3 EC: 216-823-5 REACH No.: 01-2119456619-26	<ul style="list-style-type: none"> <li>⚠ 3.2/2 Skin Irrit. 2 H315</li> <li>⚠ 3.3/2 Eye Irrit. 2 H319</li> <li>⚠ 3.4.2/1 Skin Sens. 1 H317</li> <li>⚠ 4.1/C2 Aquatic Chronic 2 H411</li> </ul> Specific Concentration Limits: C >= 5%: Skin Irrit. 2 H315 C >= 5%: Eye Irrit. 2 H319
>= 3% - < 5%	trizinc bis(orthophosphate)	Index number: 030-011-00-6 CAS: 7779-90-0 EC: 231-944-3 REACH No.: 01-2119485044-40	<ul style="list-style-type: none"> <li>⚠ 4.1/A1 Aquatic Acute 1 H400 M=1.</li> <li>⚠ 4.1/C1 Aquatic Chronic 1 H410 M=1.</li> </ul>
>= 3% - < 5%	2-(propyloxy)ethanol; EGPE	CAS: 2807-30-9 EC: 220-548-6 REACH No.: 01-2119883539-19	<ul style="list-style-type: none"> <li>⚠ 2.6/3 Flam. Liq. 3 H226</li> <li>⚠ 3.1/4/Dermal Acute Tox. 4 H312</li> <li>⚠ 3.3/2 Eye Irrit. 2 H319</li> </ul>
>= 1% - < 3%	zinc oxide	Index number: 030-013-00-7 CAS: 1314-13-2 EC: 215-222-5 REACH No.: 01-2119463881-32	<ul style="list-style-type: none"> <li>⚠ 4.1/A1 Aquatic Acute 1 H400</li> <li>⚠ 4.1/C1 Aquatic Chronic 1 H410</li> </ul>
>= 1% - < 3%	Titanium dioxide	CAS: 13463-67-7 EC: 236-675-5 REACH No.: 01-2119489379-17	The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).
>= 1% - < 3%	Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-	EC: 701-263-0	⚠ 3.2/2 Skin Irrit. 2 H315

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	[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane	REACH No.: 01-2119454392-40	<ul style="list-style-type: none"> <li>⚠ 3.4.2/1A Skin Sens. 1A H317</li> <li>⚠ 4.1/C2 Aquatic Chronic 2 H411</li> </ul>
>= 0.3% - < 0.5%	Zinc 5-nitroisophthalate	CAS: 60580-61-2 EC: 262-309-9 REACH No.: 01-2120768444-47	<ul style="list-style-type: none"> <li>⚠ 4.1/A1 Aquatic Acute 1 H400 M=1.</li> <li>⚠ 4.1/C2 Aquatic Chronic 2 H411</li> </ul>
>= 0.001% - < 0.1%	(2-Methoxymethylethoxy)-propanol	Index number: 603_998_97_1 CAS: 34590-94-8 EC: 252-104-2 REACH No.: 01-2119450011-60	Substance with a Union workplace exposure limit.
>= 0.001% - < 0.1%	2-METHYL-2H-ISOTHIAZOLE-3-ONE	CAS: 2682-20-4 EC: 220-239-6	<ul style="list-style-type: none"> <li>⚠ 3.1/2/Inhal Acute Tox. 2 H330</li> <li>⚠ 3.1/3/Dermal Acute Tox. 3 H311</li> <li>⚠ 3.1/3/Oral Acute Tox. 3 H301</li> <li>⚠ 3.2/1B Skin Corr. 1B H314</li> <li>⚠ 3.3/1 Eye Dam. 1 H318</li> <li>⚠ 3.4.2/1A Skin Sens. 1A H317</li> <li>⚠ 4.1/C1 Aquatic Chronic 1 H410</li> <li>⚠ 4.1/A1 Aquatic Acute 1 H400 M=10.</li> </ul> EUH071 Specific Concentration Limits: C >= 0,0015%: Skin Sens. 1A H317

**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.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

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.

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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.

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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.

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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

Keep away from food, drink and feed.

Incompatible materials:

Keep away from frost.

Product should be stored at above freezing conditions.( >0°C)

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

zinc oxide - CAS: 1314-13-2

- OEL Type: ACGIH - TWA(8h): 2 mg/m<sup>3</sup> - STEL: 10 mg/m<sup>3</sup> - Notes: (R) - Metal fume fever

- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - Behaviour: Indicative - Notes: France (INRS) ; fumées

- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Behaviour: Indicative - Notes: France (INRS) ; poussière

Titanium dioxide - CAS: 13463-67-7

- OEL Type: ACGIH - TWA(8h): 0.2 mg/m<sup>3</sup> - Notes: Nanoscale particles; (R) ; A3 - LRT irr, pneumoconiosis

- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: France (a,TiO<sub>2</sub>)

- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - Notes: France (a,dust)

- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Belgium

- OEL Type: National - TWA: 4 mg/m<sup>3</sup> - STEL: 12 mg/m<sup>3</sup> - Notes: UK

- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Spain

- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - Notes: Portugal

- OEL Type: National - TWA: 6 mg/m<sup>3</sup> - Notes: Denmark

- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - STEL: 10 mg/m<sup>3</sup> - Notes: Austria

- OEL Type: National - TWA: 3 mg/m<sup>3</sup> - Notes: Switzerland

- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - STEL: 30 mg/m<sup>3</sup> - Notes: Poland

- OEL Type: National - TWA: 10 mg/m<sup>3</sup> - STEL: 5 mg/m<sup>3</sup> - Notes: Norway

- OEL Type: National - TWA: 12 mg/m<sup>3</sup> - STEL: 4 mg/m<sup>3</sup> - Notes: Ireland

- OEL Type: National - TWA: 5 mg/m<sup>3</sup> - Notes: Swedish (NGV) ; Biologiska gränsvärden för yrkesexponering

- OEL Type: ACGIH - TWA(8h): 2.5 mg/m<sup>3</sup> - Notes: Finescale particles; (R) ; A3 - LRT irr, pneumoconiosis

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

- OEL Type: National - TWA(8h): 310 mg/m<sup>3</sup> - Notes: Germany - Notes DFG, EU

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- OEL Type: National - TWA(8h): 308 mg/m<sup>3</sup>, 50 ppm - Behaviour: Binding - Notes: France VLEC - TMP N° 84 (peau)
- 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)

#### DNEL Exposure Limit Values

bis-[4-(2,3-epoxipropoxy)phenyl]propane - CAS: 1675-54-3

Worker Industry: 8.33 mg/kg b.w./day - Consumer: 3.571 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 12.25 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 8.33 mg/kg - Consumer: 3.571 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 12.25 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.75 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 0.75 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

2-(propyloxy)ethanol; EGPE - CAS: 2807-30-9

Worker Industry: 3.4 mg/kg/day - Consumer: 2.2 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 36 mg/m<sup>3</sup> - Consumer: 7.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 2.2 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

zinc oxide - CAS: 1314-13-2

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

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

Consumer: 0.83 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term (repeated)

Worker Industry: 0.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Titanium dioxide - CAS: 13463-67-7

Worker Industry: 10 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

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

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systemic effects

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane

Worker Industry: 104.15 mg/kg - Consumer: 62.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 29.39 mg/m<sup>3</sup> - Consumer: 8.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 6.25 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/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

2-METHYL-2H-ISOTHIAZOLE-3-ONE - CAS: 2682-20-4

Worker Industry: 0.021 mg/m<sup>3</sup> - Consumer: 0.021 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 0.043 mg/m<sup>3</sup> - Consumer: 0.043 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Consumer: 0.027 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 0.053 mg/kg/day - Exposure: Human Oral - Frequency: Short Term, systemic effects

#### PNEC Exposure Limit Values

bis-[4-(2,3-epoxipropoxy)phenyl]propane - CAS: 1675-54-3

Target: Fresh Water - Value: 0.006 mg/l

Target: Marine water - Value: 0.0006 mg/l

Target: Freshwater sediments - Value: 0.996 mg/kg

Target: Marine water sediments - Value: 0.0996 mg/kg

Target: Soil - Value: 0.196 mg/kg

Target: Sewage treatment plant - Value: 10 mg/l

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

Target: Fresh Water - Value: 85 µgZn/L

Target: Marine water - Value: 42.5 µgZn/L

Target: Freshwater sediments - Value: 867.4 mgZn/kg sediment dw

Target: Marine water sediments - Value: 957.7 mgZn/kg sediment dw

Target: Soil - Value: 490.7 µgZn/kg - Notes: dw

2-(propyloxy)ethanol; EGPE - CAS: 2807-30-9

Target: Fresh Water - Value: 0.1 mg/l

Target: Marine water - Value: 0.01 mg/l

Target: Intermittent discharge - Value: 1 mg/l

Target: Sewage treatment plant - Value: 10 mg/l

Target: Freshwater sediments - Value: 0.594 mg/kg



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Target: Marine water sediments - Value: 0.0594 mg/kg  
 Target: Soil - Value: 0.0602 mg/kg  
 zinc oxide - CAS: 1314-13-2  
 Target: Fresh Water - Value: 20.6 µgZn/L  
 Target: Marine water - Value: 6.1 µgZn/L  
 Target: Freshwater sediments - Value: 117.8 mgZn/kg sediment dw  
 Target: Marine water sediments - Value: 56.5 mgZn/kg sediment dw  
 Target: Sewage treatment plant - Value: 100 µgZn/L  
 Titanium dioxide - 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  
 Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane  
 Target: Fresh Water - Value: 0.003 mg/l  
 Target: Marine water - Value: 0.0003 mg/l  
 Target: Intermittent discharge - Value: 0.0254 mg/l  
 Target: Freshwater sediments - Value: 0.294 mg/kg  
 Target: Marine water sediments - Value: 0.0294 mg/kg  
 Target: Soil - Value: 0.237 mg/kg  
 Target: Sewage treatment plant - Value: 10 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  
 2-METHYL-2H-ISOTHIAZOLE-3-ONE - CAS: 2682-20-4  
 Target: Fresh Water - Value: 3.39 µg/l  
 Target: Marine water - Value: 3.39 µg/l  
 Target: Sewage treatment plant - Value: 0.23 mg/l  
 Target: Soil - Value: 0.047 mg/kg

Biological Exposure Index  
 N.A.

#### 8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

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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

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Grey	--	--
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:	7	--	--
Kinematic viscosity:	> 20,5 mm <sup>2</sup> / sec (40 °C)	--	--
Solubility in water:	Miscible	--	--
Solubility in oil:	N.A.	--	--

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Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	<1.000 hPa (50°C)	--	--
Density and/or relative density:	~1.17 g/cm <sup>3</sup> (23°)	--	--
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 = 3.27 %

Volatile Organic compounds - VOCs = 38.26 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

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ATEmix - Dermal 34592,8 mg/kg bw

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

Respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

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:

bis-[4-(2,3-epoxipropoxy)phenyl]propane - CAS: 1675-54-3

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat (female) > 2000 mg/kg - Source: OECD 420

Test: LD50 - Route: Skin - Species: Rat (Male, female) > 2000 mg/kg - Source: OECD 402

STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 50 mg/kg - Duration: 14 weeks  
- Source: OECD 408 - Notes: Dose: 0, 50, 250, 1000 mg/kg/day

Test: NOAEL - Route: Oral - Species: Rat (Male, female) >= 10 mg/kg - Duration: 13  
weeks - Source: OECD 411 - Notes: Dose: 0, 50, 250, 1000 mg/kg/day

Test: NOAEL - Route: Oral - Species: mouse (Male) = 100 mg/kg - Duration: 13 weeks -  
Source: OECD 411 - Notes: Dose: 0, 50, 250, 1000 mg/kg/day

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

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 50000 mg/kg - Source: OECD 401; REACH

2-(propyloxy)ethanol; EGPE - CAS: 2807-30-9

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3 g/kg

Test: LD50 - Route: Skin - Species: guinea pig = 1 g/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 2000 ppm - Duration: 4h - Notes:

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(8,5 mg/l)

zinc oxide - CAS: 1314-13-2

Acute toxicity:

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

Test: LC50 - Route: Inhalation - Species: Rat > 5.7 mg/l - Duration: 4h - Source:

Manufacturer data

Titanium dioxide - 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

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat (Male, female) > 5000 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rabbit (male, female) > 2000 mg/kg - Source: OECD 402

STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 250 mg/kg - Duration: 13 weeks - Subchronic toxicity

(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/m<sup>3</sup> - 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

2-METHYL-2H-ISOTHIAZOLE-3-ONE - CAS: 2682-20-4

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 120 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 242 mg/kg

Test: LC50 - Route: Inhalation (aerosol) - Species: Rat = 0.11 mg/l - Duration: 4h

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

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#### 11.2. Information on other hazards

Endocrine disrupting properties:

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

Other toxicological information:

2-METHYL-2H-ISOTHIAZOLE-3-ONE

Skin irritation:

Slight irritation by prolonged contact

Eye irritation:

Severe eye irritation.

Sensitization:

Possible by skin contact

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## 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 Chronic 2 - H411

bis-[4-(2,3-epoxipropoxy)phenyl]propane - CAS: 1675-54-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1.5 mg/l - Duration h: 96 - Notes: OECD 203, Oncorhynchus mykiss

Endpoint: EC50 - Species: Aquatic invertebrates = 1.8 mg/l - Duration h: 48 - Notes: Daphnia magna ; OECD 202

Endpoint: EC50 - Species: Algae = 9.4 mg/l - Duration h: 72 - Notes: EPA-660/3-75-009, Selenastrum capricornutum

Endpoint: IC50 - Species: Microorganisms > 100 mg/l - Duration h: 3 - Notes: Fresh water - Test Type: Static Test

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Aquatic invertebrates = 0.3 mg/l - Duration h: 504 - Notes: OECD 211, Daphnia magna - Semi-static system

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

a) Aquatic acute toxicity:

Endpoint: NOEC - Species: Algae = 0.099 mgZn<sup>++</sup>/L - Notes: Pseudokirchneriella subcapitata, pH 6; REACH

Endpoint: NOEC - Species: Algae = 0.011 mgZn<sup>++</sup>/L - Notes: Pseudokirchneriella subcapitata, pH 8; REACH

Endpoint: NOEC - Species: bacteria = 0.1 mgZn<sup>++</sup>/L - Notes: ISO/DIS 9509; company data - Activated sludge

Endpoint: NOEC - Species: soil  $\geq 0.031$  mgZn/kgsoildw - Notes: REACH

Endpoint: NOEC - Species: soil  $\leq 8.0035$  mgZn/kgsoildw - Notes: REACH

Endpoint: NOEC - Species: Sedimentary organisms  $\geq 0.218$  mgZn<sup>++</sup>/L - Notes: REACH

Endpoint: NOEC - Species: Sedimentary organisms  $\leq 1.101$  mgZn<sup>++</sup>/L - Notes: REACH

2-(propyloxy)ethanol; EGPE - CAS: 2807-30-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 5000 mg/l - Duration h: 96 - Notes: - Pimephales promelas (

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Titanium dioxide - CAS: 13463-67-7

## a) Aquatic acute toxicity:

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

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

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

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

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

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane

## a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.54 mg/l - Duration h: 96

Endpoint: EC50 - Species: Aquatic invertebrates = 2.55 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 1.8 mg/l - Duration h: 72 - Notes: OECD 201, Selenastrum capricornutum

Endpoint: IC50 - Species: Microorganisms &gt; 100 mg/l - Duration h: 3 - Activated sludge

## b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Aquatic invertebrates = 0.3 mg/l - Duration h: 504 - Notes: OECD 211, Daphnia magna

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

## a) Aquatic acute toxicity:

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

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

Endpoint: EC50 - Species: Algae &gt; 969 mg/l

## b) Aquatic chronic toxicity:

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

## e) Plant toxicity:

Endpoint: NOEC = 250000 mg/l

2-METHYL-2H-ISOTHIAZOLE-3-ONE - CAS: 2682-20-4

## a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia Magna = 0.998 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.157 mg/l - Duration h: 72 - Notes: OECD 201, Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae = 0.0695 mg/l - Duration h: 120 - Notes: Skeletonema costatum

Endpoint: NOEC - Species: Algae = 0.044 mg/l - Duration h: 120 - Notes: Skeletonema costatum

Endpoint: NOAEL - Species: Algae = 0.03 mg/l - Duration h: 0.03 - Notes: OECD 201, Pseudokirchneriella subcapitata

Endpoint: LC50 - Species: Fish = 4.77 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

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#### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 2.1 mg/l - Duration h: 672 - Notes: OECD 210, Pimephales promelas (

Endpoint: NOEC - Species: Fish = 2.38 mg/l - Duration h: 2352 - Notes: Oncorhynchus mykiss

#### 12.2. Persistence and degradability

bis-[4-(2,3-epoxipropoxy)phenyl]propane - CAS: 1675-54-3

Biodegradability: Non-readily biodegradable - Test: OECD 301F - Duration: 28 days - %: 5%

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and

2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and

2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane

Biodegradability: Not biodegradable - Test: Directive 67/548/CEE, Annexe V, C.4.E. - Duration: 28 days - %: 0%

(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

2-METHYL-2H-ISOTHIAZOLE-3-ONE - CAS: 2682-20-4

Biodegradability: Readily biodegradable - Test: OECD 301B - Duration: 28 days - %: 50 %

#### 12.3. Bioaccumulative potential

bis-[4-(2,3-epoxipropoxy)phenyl]propane - CAS: 1675-54-3

BCF 31

Log Pow - Test: OECD 117 3.242 - Notes: 25°C, pH 7.1

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and

2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and

2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane

BCF 150

Log Pow - Test: OECD 117 2,7 - 3,6

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

Log Pow 1.01

BCF < 100

2-METHYL-2H-ISOTHIAZOLE-3-ONE - CAS: 2682-20-4

Log Kow - Test: OECD 117 <= 0.32 - Notes: (n-octanol/water) S325 (HPLC) Method)

BCF 5,75 L/kg ww - Notes: Lepomis macrochirus

#### 12.4. Mobility in soil

bis-[4-(2,3-epoxipropoxy)phenyl]propane - CAS: 1675-54-3

Log Koc 445

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and

2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and

2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane

Log Koc - Test: OECD 121 4460

#### 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.



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### SECTION 13: Disposal considerations

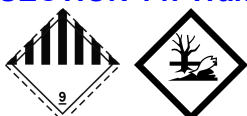
#### 13.1. Waste treatment methods

Recover if possible. 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), zinc oxide)  
 IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate), zinc oxide)  
 IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (trizinc bis(orthophosphate), zinc oxide)

#### 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: -  
 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: -

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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:

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):

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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.

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Regulation (EC) n° 528/2012: contains a preservative to protect the initial properties of the treated article.

Contains 2-methyl-2H-isothiazol-3-one

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: 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:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H330 Fatal if inhaled.

H311 Toxic in contact with skin.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

EUH071 Corrosive to the respiratory tract.

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Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Dermal	Acute toxicity (dermal), Category 3
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), 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
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
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. (EC) 1272/2008 [CLP] Yönetmeliğine göre karışımların sınıflandırmasını elde etmek için kullanılan sınıflandırma ve prosedür:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	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

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

### SOCOGLAZE PRIMER WB 410 GRIS PA

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

Important confidentiality : this document contains confidential information that is proprietary to SOCOMORE. Subject to legal provisions determining otherwise, the distribution, republication or re-transmission of this document, in full or in part, must be limited to clearly identified individuals, either because they use the product, or to provide HSE information. Any communication of this document 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"

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	(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.