

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

## SOCOGEL PART C

Regulation (EU) n. 2020/878

Safety Data Sheet date: 9/3/2023, version 6

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

#### 1.1. Product identifier

Trade name: SOCOGEL PART C  
SDS code: P14171  
UFI: EJJ0-9UWR-E91N-ETDJ

#### 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

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

##### Distributors:

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 +353 21 4889923 / ireland@socomore.com

##### 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.

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### 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.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Hazard pictograms:

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))**  
**SOCOGEL PART C**



Danger

Hazard statements:

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P280 Wear protective gloves and eye/face protection.

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

P312 Call a POISON CENTER if you feel unwell.

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

Special Provisions:

None

Contains

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE

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  $\geq 0.1\%$

Other Hazards:

No other hazards

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**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:

stta	Name	Ident. Number	Classification
$\geq 90\%$	[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE	CAS: 2530-83-8 EC: 219-784-2 REACH No.: 01-2119513212-58	 3.3/1 Eye Dam. 1 H318 4.1/C3 Aquatic Chronic 3 H412

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

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

### SOCOGEL PART C

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

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

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

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

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

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

None

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

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

Treatment:

No particular treatment.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

Foam.

Multipurpose powders class ABC

Powders class BC

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.

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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

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

### SOCOGEL PART C

#### 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, assure 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

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

No occupational exposure limit available

DNEL Exposure Limit Values

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE - CAS: 2530-83-8

Worker Industry: 70.5 mg/m<sup>3</sup> - Consumer: 17 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 10 mg/kg - Consumer: 5 mg/kg - Exposure: Human Dermal - Frequency:

Long Term, systemic effects

Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE - CAS: 2530-83-8

Target: Fresh Water - Value: 0.45 mg/l

Target: Marine water - Value: 0.045 mg/l

Target: Soil - Value: 0.063 mg/kg

Target: Sewage treatment plant - Value: 8.2 mg/l

Target: Marine water sediments - Value: 0.16 mg/kg

Target: Freshwater sediments - Value: 1.6 mg/kg

Biological Exposure Index

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

### SOCOGEL PART C

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

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:	Colourless	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	262°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	0.7-13.6%	--	--
Flash point (°C):	122 °C	--	--
Auto-ignition temperature:	400°C	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--

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

### SOCOGEL PART C

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:	<0.1 hPa, 20°C	--	--
Density and/or relative density:	1.07	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

#### 9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 0 g/l

## 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

Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. Emits toxic fumes when inhaled.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

Acids.

Bases.

Water/humidity.

### 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:

N.A.

Toxicological information of the main substances found in the product:

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

### SOCOGEL PART C

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE - CAS: 2530-83-8

Acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 5.3 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat (Male, female) = 8025 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit (male) = 4248 mg/kg

STOT-repeated exposure:

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

Test: NOAEL - Route: Oral = 225 mg/m<sup>3</sup>

Test: NOAEL - Route: Oral - Species: Rat (Male, female) >= 1000 mg/kg - Duration: 90 days

Test: NOAEC - Route: Inhalation (dust, mist) - Species: Rat (male) = 119 mg/m<sup>3</sup> -

Duration: 28 days

Test: LC0

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

Acute toxicity;

Skin corrosion/irritation;

Serious eye damage/irritation;

Respiratory or skin sensitisation;

Germ cell mutagenicity;

Carcinogenicity;

Reproductive toxicity;

STOT-single exposure;

STOT-repeated exposure;

Aspiration hazard.

#### 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE

Skin irritation:

Slight irritating effect

Eye irritation:

Irritating effect

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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.

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE - CAS: 2530-83-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 55 mg/l - Duration h: 96 - Notes: Cyprinus carpio

Endpoint: EC50 - Species: Daphnia = 324 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 350 mg/l - Duration h: 96 - Notes: Pseudokirchneriella

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

### SOCOGEL PART C

subcapitata, OECD 201

Endpoint: EC50 - Species: activated sludge > 100 mg/l - Duration h: 3 - Notes: OECD 209

Endpoint: LC50 - Species: Daphnia = 324 mg/l - Duration h: 48 - Notes: Simocephalus vetulus

Endpoint: NOEC - Species: Daphnia = 250 mg/l - Duration h: 48 - Notes: Simocephalus vetulus

#### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 130 mg/l - Duration h: 96 - Notes: OECD 201

Endpoint: NOEC - Species: Daphnia = 100 mg/l - Duration h: 504 - Notes: OECD 211

Endpoint: EC50 - Species: activated sludge > 100 mg/l - Duration h: 3 - Notes: OECD 209

#### c) Bacteria toxicity:

Endpoint: NOEC - Species: bacteria > 100 mg/l - Duration h: 3

#### 12.2. Persistence and degradability

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE - CAS: 2530-83-8

Biodegradability: Non-readily biodegradable - Duration: 28 days - %: 37

#### 12.3. Bioaccumulative potential

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE - CAS: 2530-83-8

Log Kow 0.5 - Notes: 20°C

#### 12.4. Mobility in soil

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE - CAS: 2530-83-8

Low adsorption

#### 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.

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## 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

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## SECTION 14: Transport information

### 14.1. UN number or ID number

Not classified as dangerous in the meaning of ADR, IATA and IMDG transport regulations.

### 14.2. UN proper shipping name

N.A.

### 14.3. Transport hazard class(es)

N.A.

### 14.4. Packing group

N.A.

### 14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

### 14.6. Special precautions for user



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

### SOCOGEL PART C

N.A.

#### 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)

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:

No restriction.

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.

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

## SOCOGEL PART C

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

None

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

N.A.: Not Applicable or Not Available

**SOCOGEL PART C is one of the components of the following kits:**

**SOCOGEL A0104, SOCOGEL A0203 BLUE, SOCOGEL B0102, SOCOGEL B0102, SOCOGEL B0202 BLUE, SOCOGEL MSP**

Deutschland / BfR Produktnummer: 6404250

Full text of phrases referred to in Section 3:

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

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 Chronic 3, H412	Calculation method

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

### SOCOGEL PART C

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

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold  
CCNL - Appendix 1  
Insert further consulted bibliography

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

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

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

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

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

### SOCOGEL PART C

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.