



Safety Data Sheet

SOCOCEL PART C

Safety Data Sheet date: 9/26/2023, version 1

1. Identification

GHS Product identifier

Mixture identification:

Trade name: SOCOCEL PART C

Other means of identification

SDS code: P14171EU

Recommended use and restrictions on use

Recommended use:

Paint/Coating

Industrial uses

Restrictions on use:

No uses advised against are identified.

Supplier's details

Manufacturers:

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2. Hazard identification

Classification of the hazardous product

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

Aquatic Acute 3, Harmful to aquatic life.

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

GHS label elements, including precautionary statements

Hazard pictograms:



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Danger

Hazard statements:

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

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

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

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

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

Special provisions

None

Other hazards

None

Ingredient(s) with unknown acute toxicity

None.

3. Composition/Information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

>= 80% [3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE

REACH No.: 01-2119513212-58, CAS: 2530-83-8, EC: 219-784-2

⚠ A.3/1 Eye Dam. 1 H318

CAN-HAE/C3 Aquatic Chronic 3 H412

CAN-HAE/A3 Aquatic Acute 3 H402

The actual concentration of the components listed above is withheld as a trade secret.

4. First-aid measures

Description of necessary 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.

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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.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed, if necessary

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

Treatment:

No particular treatment.

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and material for containment and cleaning up

Wash with plenty of water.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not use on extensive surface areas in premises where there are occupants.

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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.

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.

Storage temperature:

Store at ambient temperature.

8. Exposure controls/personal protection

Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

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

Worker Industry: 70.5 mg/m³ - Consumer: 17 mg/m³ - 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

Appropriate engineering controls

None

Individual protection measures, such as personal protective equipment (PPE)

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)

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Respiratory protection:
Not needed for normal use.

Thermal Hazards:
None

9. Physical and chemical properties

Appearance and colour:	Colourless
Odour:	N.A.
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	Not Relevant
Initial boiling point and boiling range:	262°C
Evaporation rate:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	0.7-13.6%
Vapour pressure:	<0.1 hPa, 20°C
Vapour density:	N.A.
Relative density:	1.07
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	400°C
Decomposition temperature:	N.A.
Viscosity:	N.A.

10. Stability and reactivity

Reactivity
Stable under normal conditions

Chemical stability
Stable under normal conditions

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.

Conditions to avoid
Stable under normal conditions.

Incompatible materials
Acids.
Bases.
Water/humidity.

Hazardous decomposition products
None.

11. Toxicological information

Information on toxicological effects

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Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

[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/m³

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/m³ -

Duration: 28 days

Test: LC0

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE - Group 1.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. Ecological information

Ecotoxicity

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 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:

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

Persistence and degradability

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

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

Bioaccumulative potential

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

Log Kow 0.5 - Notes: 20°C

Mobility in soil

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

Low adsorption

Other adverse effects

No harmful effects expected.

13. Disposal considerations

Safe handling and methods for disposal

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.

14. Transport information

UN number

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

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group

N.A.

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions in connection with transport or conveyance

N.A.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question.

This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory

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Substance(s) listed under NPRI:

None.

DSL/NDSL Inventories (Canada):

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All the substances of this product are listed on the DSL list.

No component of this product is listed on the NDSL list.

TSCA inventory

All the components are listed on the TSCA inventory.

TSCA sections for substances listed in section 3:

[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXSILANE is listed in TSCA Section 8d HSDR, Section 8b.

USA - Federal regulations

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: no substances listed.

Section 313 Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

No substances listed.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No substances listed.

16. Other information

Full text of phrases referred to in Section 3:

H318 Causes serious eye damage.

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H412 Harmful to aquatic life with long lasting effects.

H402 Harmful to aquatic life.

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Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average