

Safety Data Sheet

SOCOGLAZE SPC 0981 CF

Safety Data Sheet date: 10/6/2023, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: SOCOGLAZE SPC 0981 CF

Other means of identification:

SDS code: 104015EU

Recommended use of the chemical and restrictions on use

Recommended use:

Industrial uses

Paint/Coating

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Manufacturers:

Socomore SASU

Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26

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Competent person responsible for the safety data sheet:

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Socomore Canada Limited - +1-604-420-7707 (Monday-Friday; 7:30 am - 5:00 pm)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Danger, STOT SE 1, Causes damage to organs.
Aquatic Acute 2, Toxic to aquatic life.
- ⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Label elements

Hazard pictograms:



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Danger

Hazard statements:

- H226 Flammable liquid and vapour.
- H370 Causes damage to organs.
- H401 Toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor/...
- P321 Specific treatment (see supplementary instructions on this label)
- P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.
- P391 Collect spillage.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 50% - < 60% aluminium powder (stabilised)

Index number: 013-002-00-1, CAS: 7429-90-5, EC: 231-072-3

◊ B.12/2 Water-react. 2 H261

◊ B.7/1 Flam. Sol. 1 H228

>= 3% - < 5% trizinc bis(orthophosphate)

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REACH No.: 01-2119485044-40, CAS: 7779-90-0, EC: 231-944-3

- ⚠ US-HAE/A1 Aquatic Acute 1 H400
- ⚠ US-HAE/C1 Aquatic Chronic 1 H410

>= 3% - < 5% methanol

REACH No.: 01-2119433307-44, Index number: 603-001-00-X, CAS: 67-56-1, EC: 200-659-6

- ⚠ B.6/2 Flam. Liq. 2 H225
- ⚠ A.3/2A Eye Irrit. 2A H319
- ⚠ A.8/1 STOT SE 1 H370
- ⚠ A.1/3/Oral Acute Tox. 3 H301
- ⚠ A.1/3/Dermal Acute Tox. 3 H311
- ⚠ A.1/3/Inhal Acute Tox. 3 H331

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

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 extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.

Unsuitable extinguishing media

High power water jet

Specific hazards arising from the chemical

Possible formation of highly flammable gas (H₂) under normal storage conditions

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

The substance is FLAMMABLE.

Avoid inhalation of smoke and fumes. In case of insufficient ventilation, wear suitable respiratory equipment.

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Move undamaged containers from immediate hazard area if it can be done safely, or use water spray jet to protect personnel and to cool endangered containers.
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Use localized ventilation system.
Store in a well-ventilated place. in closed, preferably full, properly labelled, containers away from heat sources, and protected from extremes of temperature. Do not re-use the empty container.
Respect general rules for compatibility storage.
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty containers 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.
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

Product should be stored at above freezing conditions.(>0°C)
Avoid any sources of ignition, and avoid exposing to high temperature during processing.
Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Avoid accumulating electrostatic charge.
Keep away from food, drink and feed.
Incompatible materials:
See subsection 10.5
Instructions as regards storage premises:
Cool and adequately ventilated.
Safety electric system.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Control parameters

aluminium powder (stabilised) - CAS: 7429-90-5

- OEL Type: ACGIH - TWA(8h): 1 mg/m³ - Notes: (R), A4 - Pneumoconiosis, LRT irr, neurotoxicity

- OEL Type: National - TWA(8h): 10 mg/m³ - Notes: France (INRS) ; métal

- OEL Type: National - TWA(8h): 5 mg/m³ - Notes: France (INRS) ; pulvérulent

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

- OEL Type: National - TWA: 5 mg/m³ - Notes: France, INRS (fumées)

- OEL Type: National - TWA: 10 mg/m³ - Notes: France, INRS (poussières)

methanol - CAS: 67-56-1

- OEL Type: National - TWA(8h): 260 mg/m³, 200 ppm - STEL: 1300 mg/m³, 1000 ppm - Notes: France VLEC

- OEL Type: EU - TWA(8h): 260 mg/m³, 200 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 250 ppm - Notes: Skin, BEI - Headache, eye dam, dizziness, nausea

- OEL Type: TWA - TWA: 200 ppm

DNEL Exposure Limit Values

aluminium powder (stabilised) - CAS: 7429-90-5

Worker Professional: 3.72 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 3.95 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 3.72 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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

Worker Industry: 5 mg/kg b.w./day - Consumer: 2.5 mg/m³ - 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, systemic effects

methanol - CAS: 67-56-1

Worker Industry: 40 mg/kg b.w./day - Consumer: 8 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 40 mg/kg b.w./day - Consumer: 8 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 260 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

aluminium powder (stabilised) - CAS: 7429-90-5

Target: Fresh Water - Value: 0.0749 mg/l

Target: Sewage treatment plant - Value: 20 mg/l

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trizinc bis(orthophosphate) - CAS: 7779-90-0
 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: Soil - Value: 35.6 mgZn/kg sediment dw
 Target: Sewage treatment plant - Value: 100 mgZn/kg sediment dw
 methanol - CAS: 67-56-1
 Target: Fresh Water - Value: 20.8 mg/l
 Target: Marine water - Value: 2.08 mg/l
 Target: Freshwater sediments - Value: 77 mg/kg
 Target: Marine water sediments - Value: 7.7 mg/kg
 Target: Soil (agricultural) - Value: 3.18 mg/kg
 Target: Microorganisms in sewage treatments - Value: 100 mg/l

Appropriate engineering controls:

Normal condition: condition of use with a vapor extraction system.

Individual protection measures

Eye protection:

Safety goggles (EN 166)

Protection for skin:

Chemical protection clothing.

Protection for hands:

Suitable gloves type: NF EN374

Respiratory protection:

Use in a chemical fume hood type ventilation system. In the event of exposure that exceeds the capacity of the system, a full face mask with organic cartridge may be worn.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Metallic	--	--
Odour:	inodore/ odourless	--	--
Odour threshold:	N.A.	--	--
pH:	5.0-6.5	--	--
Melting point / freezing point:	N.A.	--	--

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Initial boiling point and boiling range:	>36°C	--	--
Flash Point (°F):	~123°F	--	--
Flash point (°C):	>51°C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	<1.000 hPa (50°C)	--	--
Vapour density:	N.A.	--	--
Relative density:	~1.6 g/cm ³ (23°C)	--	--
Solubility in water:	completement miscible/ completely miscible	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	>20,6 mm ² /s (40°C)	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

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Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

None

Conditions to avoid

Eliminate all possible sources of ignition (sparks or flames).

Incompatible materials

Strong oxidizers.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

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Acute toxicity:

ATEmix - Oral 2777,78 mg/kg bw

ATEmix - Dermal 8333,33 mg/kg bw

ATEmix - Inhalation (Vapours) 83,3333 mg/l

Toxicological information of the main substances found in the product:

aluminium powder (stabilised) - CAS: 7429-90-5

Acute toxicity:

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

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

Acute toxicity:

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

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

methanol - CAS: 67-56-1

Acute toxicity:

Test: ATE - Route: Oral = 100 mg/kg

Test: ATE - Route: Skin = 300 mg/kg

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Test: LC50 - Route: Inhalation Vapour - Species: Rat = 3 mg/l

Test: ATE - Route: Inhalation Vapour = 3 mg/l

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

None.

Substance(s) listed on the IARC Monographs:

None.

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.

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

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.413 mgZn⁺⁺/L - Duration h: 48 - Notes:

Ceriodaphnia dubia

Endpoint: ErC50 - Species: Algae = 0.136 mgZn⁺⁺/L - Duration h: 72 - Notes: Selenastrum

capricornutum

Endpoint: NOEC - Species: bacteria = 0.1 mgZn⁺⁺/L - Duration h: 4 - Notes: ISO/DIS 9509

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

Wassergefährdungsklasse (Deutschland): 2

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal 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.

14. TRANSPORT INFORMATION



UN number

ADR-UN Number: 1263

DOT number: UN1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

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UN proper shipping name

ADR-Shipping Name: PAINT RELATED MATERIAL
 DOT-Shipping Name: Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base or Paint related material including paint thinning, drying, removing, or reducing compound(methanol)
 IATA-Shipping Name: PAINT RELATED MATERIAL
 IMDG-Shipping Name: PAINT RELATED MATERIAL

Transport hazard class(es)

ADR-Class: 3
 DOT Hazard Class: 3
 ADR - Hazard identification number: 33
 IATA-Class: 3
 IATA-Label: 3
 IMDG-Class: 3

Packing group

ADR-Packing Group: II
 DOT Packing group: II
 IATA-Packing group: II
 IMDG-Packing group: II

Environmental hazards

ADR-Environmental Pollutant: Yes
 IMDG-Marine pollutant: Yes
 Most important toxic component: trizinc bis(orthophosphate)

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

Special precautions

DOT Special provisions: 149, 367, 383, B52, B131, IB2, T4, TP1, TP8, TP28
 DOT Labels: 3
 ADR-Subsidiary hazards: -
 ADR-S.P.: 163 367 640D 650
 ADR-Transport category (Tunnel restriction code): 2 (D/E)
 IATA-Passenger Aircraft: 353
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 364
 IATA-S.P.: A3 A72 A192
 IATA-ERG: 3L
 IMDG-EmS: F-E , S-E
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category B
 IMDG-Segregation: -
 Q.L.: 5L
 Q.E.: E2

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15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

List of substances included in the TSCA inventory: aluminium powder (stabilised), methanol.

List of substances not included in the TSCA inventory: bis(orthophosphate) de trizinc.

TSCA sections for substances listed in section 3:

aluminium powder (stabilised) is listed in TSCA Section 8b

methanol is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: methanol.

Section 313 Toxic chemical list: aluminium powder (stabilised), methanol.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: methanol - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 138888.8889 pounds.

CAA - Clean Air Act

CAA listed substances:

methanol is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

aluminium powder (stabilised) is listed in CWA Section 304

methanol is listed in CWA Section 304.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

methanol - Listed as reproductive toxicant.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

aluminium powder (stabilised)

methanol.

New Jersey Right to know

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

aluminium powder (stabilised)

methanol.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

aluminium powder (stabilised)

methanol.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

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16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H261 In contact with water releases flammable gases.

H228 Flammable solid.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H370 Causes damage to organs.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

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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

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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