



SPS 2K Epoxy floor - cleaner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

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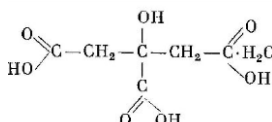
Supersedes: 30-1-2013

Version: 1.1

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

1.1. Product identifier

Product form : Substance
Substance name : SPS 2K Epoxy floor - cleaner
Chemical name : Citric acid (Mono hydrate)
EC No : 201-069-1
CAS No : 5949-29-1
REACH registration No : 01-2119457026-42
Product code : 15030190101
Formula : C₆H₈O₇.H₂O
Chemical structure :



Product group : Acidic cleaner.

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Professional use, Industrial use
Use of the substance/mixture : Treatment of articles by dipping and pouring
Function or use category : Washing and cleaning products (including solvent based products)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

S.P.S. B.V.
Zilverenberg 16
5234 GM 's-Hertogenbosch - Nederland
T +31 (0)73 642 27 10 - F +31 (0)73 642 60 95
info@spsbv.com - www.spsbv.com

Responsible formatting SDS

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Kobaltweg 7
5234 GN 's-Hertogenbosch - Nederland
T +31 (0)73 70 70 112 - F +31 (0)73 64 43 861
info@mantechbv.nl - www.mantechbv.nl

1.4. Emergency telephone number

Emergency number : SPS BV.: +31 (0)73 642 27 10 [7:30 - 16:30]

NL - Nationaal Vergiftigingen Informatie Centrum (NVIC)
Emergency telephone (24 hours): +31 30 274 88 88
(Only for doctors to inform accidental poisoning)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



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Signal word (CLP)	: Warning
Hazard statements (CLP)	: H319 - Causes serious eye irritation
Precautionary statements (CLP)	: P102 - Keep out of reach of children P101 - If medical advice is needed, have product container or label at hand P280 - Wear protective gloves, protective clothing, eye protection, face shield P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: Get medical advice/attention P501 - Dispose of contents/container to hazardous or special waste collection point
EUH-statements	: [For professional use only: Safety data sheet available on request]
Security closing plug for children	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	: SPS 2K Epoxy floor - cleaner
CAS No	: 5949-29-1
EC No	: 201-069-1

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Citric acid (Mono hydrate)	(CAS No) 5949-29-1 (EC No) 201-069-1 (REACH-no) 01-2119457026-42	>= 75	Eye Irrit. 2, H319
Niet gespecificeerde grondstof - verontreinigingen / not specified material - contaminants	(CAS No) NGG	<= 0,5	Not classified

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.
First-aid measures after inhalation	: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth.
First-aid measures after skin contact	: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
First-aid measures after eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
First-aid measures after ingestion	: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Symptoms/injuries after inhalation	: Risk of lungs oedema.
Symptoms/injuries after ingestion	: Coughing. Nausea. Vomiting. Cramps. Gastrointestinal complaints.

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

Seek medical attention if ill effect or irritation develops. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.
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5.3. Advice for firefighters

Precautionary measures fire	: Cool closed containers exposed to fire with water.
Protection during firefighting	: Self contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Use personal protective equipment as required.
Emergency procedures	: Do not smoke. Ventilate area. Minimize generation of dust. In the event of exposure to high concentrations of dust or vapour: Use recommended respiratory protection.

6.1.2. For emergency responders

Protective equipment	: Equip rescue crew with proper protection.
Emergency procedures	: No smoking. Ventilate area. Minimize generation of dust. In the event of exposure to high concentrations of dust or vapour: Use recommended respiratory protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Recover mechanically the product. Flush residue with large amounts of water. Ensure adequate ventilation.
Other information	: Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.4. Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Minimize generation of dust. Ensure good ventilation of the work station. Keep container tightly closed.
Handling temperature	: ≤ 25 °C

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Protect from heat and direct sunlight. Keep away from sources of ignition - No smoking. Avoid the build-up of electrostatic charge.
Storage temperature	: 5 - 25 °C
Heat and ignition sources	: Keep away from sources of ignition - No smoking. Quantity of dust may be sufficient to burn in open air or explode if confined, when mixed with air and exposed to ignition source.
Information on mixed storage	: Do not store near foodstuffs. Oxidizing agents. Reducing agents. Alkalis and caustic products. Metals.
Storage area	: Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Do not breathe dust.

Personal protective equipment:

Protective goggles. Corrosionproof clothing. Dust production: dust mask with filter type P2. Gloves.

Materials for protective clothing:

Acid-resistant clothing. Acid-resistant protective gloves. Acid-resistant boots

Hand protection:

Impermeable gloves. Material Chloroprene Material thickness: ≥ 0.6 mm. Penetration time: ≥ 480 minutes.

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Eye protection:

Protective goggles

Skin and body protection:

acid-resistant protective clothing.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Dust production: dust mask with filter type P2



Consumer exposure controls:

When using do not eat, drink or smoke. Wash hands before break and at end of works.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Crystalline powder.
Colour	: white.
Odour	: Odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 135 - 152 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: ≥ 540 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Vapour pressure at 50 °C	: 0,1 hPa at 20 °C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 1,54 g/cm ³ @ 20 °C
Solubility	: Water: 676 g/l at 25 °C
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known. Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide..

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

release of irritant gases/vapours.

10.4. Conditions to avoid

No additional information available

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10.5. Incompatible materials

metals. Strong bases. Oxidizing agent. Reducing agents.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Citric acid (Mono hydrate) (5949-29-1)

LD50 oral rat	> 2000 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Citric acid (Mono hydrate) (5949-29-1)

LC50 fish 1	[96 h.] 440 - 706 mg/l (Leuciscus idus)
LC50 other aquatic organisms 1	[96 h.] 1516 mg/l (Lepomis macrochirus)
EC50 Daphnia 1	85 mg/l
EC50 other aquatic organisms 1	[16 h.] ≥ 10000 mg/l (Pseudomonas putida)
ErC50 (algae)	640 mg/l (Scenedesmus quadricauda)
ErC50 (other aquatic plants)	80 mg/l (Microcystis aeruginosa)

12.2. Persistence and degradability

Citric acid (Mono hydrate) (5949-29-1)

Biochemical oxygen demand (BOD)	0,575 - 0,675 g O ₂ /g substance (in 5 days, BZV5)
Chemical oxygen demand (COD)	0,7 - 0,8 g O ₂ /g substance
Biodegradation	[48 h.] ≥ 98 % OESO 302 B

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Citric acid (Mono hydrate) (5949-29-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Do not allow to enter drains or water courses.
Product/Packaging disposal recommendations	: Dispose of this material and its container to hazardous or special waste collection point.
Additional information	: Uncleaned packaging: Recommendation: Not completely empty packaging must be treated complying Directive 91/689/EEC.

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SECTION 14: Transport information

In accordance with ADR

ADR

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

Not applicable

14.3. Transport hazard class(es)

Not applicable

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

No supplementary information available

14.6. Special precautions for user

Special transport precautions

: Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

- Overland transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

IBC code : Not determined.

Ship type : Not determined.

Pollution category : Not determined.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

SPS 2K Epoxy floor - cleaner is not on the REACH Candidate List

SPS 2K Epoxy floor - cleaner is not on the REACH Annex XIV List

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
1.1	Product code	Modified	

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation
	[For professional use only:

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product