



# SPS 2K Epoxy floor - comp. A

## Safety Data Sheet

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

Date of issue: 29-7-2016

Revision date: 29-7-2016

Supersedes: 15-7-2014

Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixtures  
Product name : SPS 2K Epoxy floor - comp. A  
Product code : 25161190101  
Product group : Paint.

#### 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 : Consumer use, Professional use, Industrial use  
Use of the substance/mixture : Industrial and decoration painting.  
This product is a Kit which consists of several independently packaged components.  
2-Component Epoxy Floor Paint. See information supplied by the manufacturer.

##### 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](mailto:info@spsbv.com) - [www.spsbv.com](http://www.spsbv.com)

##### Responsible formatting SDS

Mantech Nederland B.V.  
Kobaltweg 7  
5234 GN 's-Hertogenbosch - Nederland  
T +31 (0)73 70 70 112 - F +31 (0)73 64 43 861  
[info@mantechbv.nl](mailto:info@mantechbv.nl) - [www.mantechbv.nl](http://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]

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008.  
. The product may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazardous ingredients : Reaction product : bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700); Phenol, polymer with formaldehyde, glycidyl ether; average molecular weight <= 700  
Hazard statements (CLP) : H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation

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Precautionary statements (CLP)	H412 - Harmful to aquatic life with long lasting effects : P102 - Keep out of reach of children P280 - Wear protective gloves, protective clothing, eye protection P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
EUH-statements	: EUH205 - Contains epoxy constituents. May produce an allergic reaction EUH210 - Safety data sheet available on request
Extra phrases	: Contains epoxy constituents. See information supplied by the manufacturer. This information is provided by the present Safety Data Sheet.
Security closing plug for children	: Not applicable
Tactile warning	: Not applicable

### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction product : bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)	(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26	10 - 25	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Phenol, polymer with formaldehyde, glycidyl ether; average molecular weight <= 700	(CAS-No.) 9003-36-5 (REACH-no) 01-2119454392-40	2,5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
(2-methoxymethylethoxy)propanol substance with national workplace exposure limit(s) (BE, NL)	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2 (REACH-no) 01-2119450011-60	2,5 - 10	Not classified
1-methoxy-2-propanol substance with national workplace exposure limit(s) (NL)	(CAS-No.) 107-98-2 (EC-No.) 203-539-1 (EC Index-No.) 603-064-00-3 (REACH-no) 01-2119457435-35	2,5 - 10	Flam. Liq. 3, H226 STOT SE 3, H336

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Reaction product : bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)	(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26	(C >= 5) Skin Irrit. 2, H315 (C >= 5) Eye Irrit. 2, H319

Full text of H-statements: see section 16

## 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.

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First-aid measures after ingestion : If swallowed seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Allow the victim to rest.

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

Symptoms/effects : No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.

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

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO<sub>2</sub>), 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.

### 5.3. Advice for firefighters

Precautionary measures fire : Cool closed containers exposed to fire with water.

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. Avoid ignition sources. Ventilate area. Do not breathe vapours.

#### 6.1.2. For emergency responders

Protective equipment : Equip rescue crew with proper protection.

Emergency procedures : No smoking. Avoid ignition sources. Ventilate area. Do not breathe vapours.

### 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 : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Other information : Clean preferably with a detergent - avoid use of solvents.

### 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

Additional hazards when processed : Due to the organic solvents' content of the preparation: Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

Hygiene measures : Smoking, eating and drinking should be prohibited in application area.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed and dry.

Storage conditions : Observe the label precautions. Store in accordance with local/national regulations.

Storage temperature : 5 - 30 °C Store in dry, well-ventilated area.

Heat and ignition sources : Keep away from heat and direct sunlight.

Information on mixed storage : Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

Storage area : Prevent unauthorised access.

Special rules on packaging : Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

##### Personal protective equipment:

Protective goggles. Gloves. In case of inadequate ventilation wear respiratory protection.

##### Hand protection:

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. For prolonged contact, use rubber or neoprene gloves. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

##### Eye protection:

Use safety eyewear designed to protect against splash of liquids.

##### Skin and body protection:

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Every part of the skin which had contact with the product should have been washed thoroughly.

##### Respiratory protection:

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Different colours.
Odour	: Characteristic. Epoxy resin.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: When exposed to heat, may decompose liberating hazardous gases.
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: $\approx 1,10 \text{ g/cm}^3$ @ 20 °C
Solubility	: Water: Miscible
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available

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Viscosity, dynamic	: 9000 - 1000 cP @ 20 °C (Brookfield Sp. 6/50 r.p.m.)
Explosive properties	: No dangerous reactions known.
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.

### 10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

### 10.5. Incompatible materials

See Heading 7.

### 10.6. Hazardous decomposition products

Such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: There are no data available on the preparation itself. Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008. See Sections 2 and 3 for details.
Additional information	: (Data source: raw material supplier binder) Reaction product: Bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <=700) has oral (rat) LD50 and dermal (rabbit) LD50 values of >5,000 mg/kg and >6,000 mg/kg, respectively. This material produced moderate eye and skin irritation in animal tests. It is a moderate skin sensitizer. No adverse effects were observed on embryonic or fetal development in animal teratology studies. A variety of mutagenicity tests produced mixed results. Two-year chronic studies (dermal and skin painting) in mice showed no increase in tumor incidence in two mouse strains. However, a third mouse strain showed a slight increase in tumors at a high dose. IARC concluded that this material is not classified as a carcinogen. Chronic ingestion caused reduced weight gain and death in laboratory animals. The oral (rat) LD50 and dermal (rabbit) LD50 values have also been reported to be 11.4 gm/kg and >20 ml/kg, respectively. The literature reports three cases of asthmatic symptoms developing in workers due to occupational exposure.  Epichlorohydrin-formaldehyde-phenol polymer has an acute oral (rat) LD50 value of >5,000 mg/kg. Direct contact may cause moderate eye and skin irritation. Prolonged or repeated contact may cause dermal sensitization.

1-methoxy-2-propanol (107-98-2)	
LD50 oral rat	> 5000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	> 6 mg/l/4h
Reaction product : bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) (25068-38-6)	
LD50 oral rat	15000 mg/kg
LD50 dermal rat	23000 mg/kg
Skin corrosion/irritation	: Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin pH: Not applicable
Serious eye damage/irritation	: The liquid splashed in the eyes may cause irritation and reversible damage. pH: Not applicable
Respiratory or skin sensitisation	: Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitizer and an irritant. It contains low molecular weight epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitisation, possibly with cross-sensitisation to other epoxies. Skin contact with the preparation and exposure to spray mist and vapour should be avoided.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008. Harmful to aquatic life with long lasting effects. See Sections 2 and 3 for details.

1-methoxy-2-propanol (107-98-2)	
LC50 fish 1	20,8 g/l Pimephales promelas [96 h.]
LC50 fish 2	4600 - 10000 mg/l Leuciscus idus [96 h.]
EC50 Daphnia 1	23300 mg/l [48 h.]
Reaction product : bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) (25068-38-6)	
LC50 fish 1	2 mg/l (Leuciscus idus)
EC50 Daphnia 1	1,8 mg/l
EC50 72h algae (1)	11 mg/l
(2-methoxymethylethoxy)propanol (34590-94-8)	
LC50 fish 1	> 10000 mg/l [96 h.] (Pimephales promelas)
EC50 Daphnia 1	> 100 mg/l [48 h.]
ErC50 (algae)	> 100 mg/l [72 h.]

#### 12.2. Persistence and degradability

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Persistence and degradability	There are no data available on the preparation itself. Literature reports: not readily degradable in water. May cause long-term adverse effects in the aquatic environment.

#### 12.3. Bioaccumulative potential

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Log Pow	No data available
Log Kow	No data available
Bioaccumulative potential	There are no data available on the preparation itself.
Reaction product : bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) (25068-38-6)	
Log Pow	3 - 5
Phenol, polymer with formaldehyde, glycidyl ether; average molecular weight <= 700 (9003-36-5)	
Log Pow	3 - 5
(2-methoxymethylethoxy)propanol (34590-94-8)	
Log Pow	0,004 at 25 °C

#### 12.4. Mobility in soil

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Ecology - soil	There are no data available on the preparation itself.

#### 12.5. Results of PBT and vPvB assessment

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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	
Component	
Reaction product : bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) (25068-38-6)	PBT: not relevant – no registration required vPvB: not relevant – no registration required

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Component	
Phenol, polymer with formaldehyde, glycidyl ether; average molecular weight <= 700 (9003-36-5)	PBT: not relevant – no registration required vPvB: not relevant – no registration required

### 12.6. Other adverse effects

Additional information : Product may not flow into sewer or superficial water

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Do not allow to enter drains or water courses.

Waste treatment methods : Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

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.

European List of Waste (LoW) code : 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS  
08 01 11\* - waste paint and varnish containing organic solvents or other dangerous substances  
08 01 12 - waste paint and varnish other than those mentioned in 08 01 11

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	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

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail 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.



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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list  $\geq 0,1$  % / SCL

Contains no REACH Annex XIV substances

#### **DIRECTIVE 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products**

EU limit value for SPS 2K Epoxy floor - comp. A (cat. A/j): 140 g/l

SPS 2K Epoxy floor - comp. A Contains max 75,00 g/l VOC

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
1.1	Product code	Modified	

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
EUH205	Contains epoxy constituents. May produce an allergic reaction
EUH210	Safety data sheet available on request

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*