



## SAFETY DATA SHEET according to regulation EC 1907/2006 (REACH) and its updates

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SPEKTRA Domflok perl lak

Revision No.:6/ 6  
First Revision Date: 08-09-09  
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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product	SPEKTRA Domflok perl lak
Item code(s):	412964

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

Use, scope:	Interior decorative coating for wall surfaces The product is used in consumer and professional use.
Use:	decorative tools
Restrictions on use	No restrictions known.

#### 1.3. Details of the supplier of the safety data sheet

Producer	HELIOS TBLUS d.o.o. Količevo 65 • 1230 Domžale, Slovenija T +386 1 722 40 00 F +386 1 722 43 10
Responsible person	Matija Podobnik, e-mail: matija.podobnik@helios.si

#### 1.4. Emergency telephone number

Phone	In case of health hazard, consult a private or a doctor on duty. For additional information please call phone number +386 (1) 722 4383 HSE dept.).
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### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

Classification (EU 1272/2008)

Categories of danger	Material according to the criteria for the classification (in accordance with CLP-EU GHS, no. 1272/2008) is not classified as dangerous.
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#### 2.2. Label elements

EU 1272/2008:

Contains:	5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 3(2H)-isothiazolone May produce an allergic reaction.
Hazard phrases (H-phrases):	Material according to the criteria for the classification (in accordance with

	CLP-EU GHS, no. 1272/2008) is not classified as dangerous.
<b>Precautionary statements:</b>	P101 - If medical advice is needed, have product container or label at hand. Keep out of reach of children.

### 2.3. Other hazards

	No data available
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## 3. Composition/information on ingredients

### 3.2. Mixtures

Chemical composition:	Lacquer based on acrylic dispersion.		
Chemical Name	Concentration [weight %]	CAS EINECS EU INDEX REACH reg.no.	Classification (REGULATION (EC) No. 1272/2008) Notes
5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 3(2H)-isothiazolone	< 0,001	55965-84-9 - 613-167-00-5	Aquatic Chronic 1; H410 Aquatic. Acute 1; H400 Skin Sens. 1; H317 Skin Corr. 1B; H314 Acute Tox. 3; H331 Acute Tox. 3; H311 Acute Tox. 3; H301

<b>Notes:</b>	The classification for the product was made on basis of actual content of components. The contained substances are shown in intervals. In case of inspection check (control of classification) we are ready to send to inspection bodies on their request the actual content of individual components.
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## 4. First aid measures

### 4.1. Description of first aid measures

In case of excessive inhalation:	If there are any symptoms transfer the victim to clean air.
In case of contact with skin:	Remove contaminated clothing. Wash skin with soap and water.
In case of contact with eyes:	Flush eyes with water to remove product residue.
In case of ingestion:	Do not eat. Rinse mouth with water. Do not induce vomiting.

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

In case of excessive inhalation:	No data.
In case of contact with skin:	None data known.
In case of contact with eyes:	None data known.
In case of ingestion:	None data known.

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

	No data available
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## 5. Firefighting measures

### 5.1. Extinguishing media

Fire Extinguishing Media:	Due to non-flammable properties of the product does not require special treatment. The product is not flammable. Close vessels with the product.
Unsuitable extinguishing media:	Open water jet

### 5.2. Special hazards arising from the substance or mixture

Specific methods of extinguishing fire:	Not necessary.
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### 5.3. Advice for firefighters

Special equipment to protect firefighters:	There are no special features.
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## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	Provide good ventilation.
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### 6.2. Environmental precautions

Environmental precautions:	Prevent leakage into water, water dams, cellars, caves or sewage system.
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### 6.3. Methods and material for containment and cleaning up

Methods of cleaning up:	Dam up the outflow and mix the outflow product with soil, sand or other absorptive materials for liquids.
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## 7. Handling and storage

### 7.1. Precautions for safe handling

Personal precautions:	The product is not dangerous and does not require special handling. Assure the fulfillment of regulations of safety at work. Close the vessels with product. Do not eat or drink during the use.
Advice on safe handling:	The product is not hazardous chemicals. Use good industrial practices and personal hygiene. Prevent contact with eyes and skin.

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

Technical measures and conditions:	Store at the temperature from 5°C to 35°C. THE PRODUCT SHOULD NOT FREEZE. Do not store together with food or fodder. Keep the product in a tightly closed vessel in a dry and well ventilated room and according to conditions, which are on the label or in technical documentation. The packaging should be marked with the producer's original label.
Storage Class:	12 (German VCI Guideline)

### 7.3. Specific end use(s)

Packaging materials:	RECOMMENDED: Plastic packaging UNSUITABLE: Metal packaging
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## 8. Exposure controls/personal protection

### 8.1. Control parameters

The prescribed of threshold limit value (TLV) for occupational exposure to hazardous substances in the atmosphere post the Regulation on the safety of employees from risks against chemical substance exposure at work:

Data on components:

Chemical Name	TLV (mg/m3)	TLV (ml/m3, PPM)	STL	Note
5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 3(2H)-isothiazolone	0.05			K

### 8.2. Exposure controls

Respiratory protection:	Not needed.
Hand protection:	Special protection is not necessary, use protective gloves only at direct contact with the product
Eye protection:	Not needed.
Skin protection:	Wear protective overalls made of cotton.

## 9. Physical and chemical properties

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

(a) Appearance:	Viscous liquid.
(b) Odour:	Specific for dispersion coatings
(c) Odour threshold:	No data
(d) pH:	8.2 - 9.2
e) Melting point/freezing point:	
(f) Initial boiling point and boiling range:	- 20 °C
(g) Flash point:	Not applicable ;
(h) Evaporation rate:	; computational method, based on component data ; No data
(i) Flammability (solid, gas):	12 (German VCI Guideline)
(k) Vapour pressure:	No data
(l) Vapour density:	No data
(m) Relative density(kg/l):	1,02 - 1,04 ISO 2811
(n) Solubility(ies):	Miscible
(o) Partition coefficient: n-octanol/water:	; computational method, based on component data
(p) Auto-ignition temperature:	; computational method, based on component data ; No data
(q) Decomposition temperature:	No data
(r) Viscosity:	DIN 53019 20°C 9 - 13 Pas
Kinematic viscosity:	> 21 mm²/s, 40 °C
(s) Explosive properties:	Not established
<b>9.2. Other information</b>	

Solids content: (calculated, %)	30.68
Organic solvents (wght. %)	7
Water content: (calculated, %)	62.29

## 10. Stability and reactivity

### 10.1. Reactivity

Reactivity:	Stable - when used in accordance with the instructions.
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### 10.2. Chemical stability

Stability:	The product is stable under conditions in accordance with the instructions and proper storage.
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### 10.3. Possibility of hazardous reactions

Hazardous conditions:	No data available
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### 10.4. Conditions to avoid

Unwanted conditions:	No data available
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### 10.5. Incompatible materials

Incompatibility:	The product is non-reactive and compatible with majority of substances, except with extreme oxidants. Keep the product in the original packaging. Do not mix with other products.
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### 10.6. Hazardous decomposition products

	No data available
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## 11. Toxicological information

### 11.1. Information on toxicological effects

#### (a) acute toxicity:

ORAL	Product contains components which may have harmful effects after ingestion and may cause troubles to more sensitive individuals. Such components are: 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 3(2H)-isothiazolone
DERMAL	Product contains components which may cause effects in case of contact with skin and may cause problems to some individuals. Such components are: 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 3(2H)-isothiazolone
INHALATIONAL	Product contains components which may have harmful effects at contact after inhalation of vapour, mists or gas and may cause troubles to more sensitive individuals. Such components are: 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 3(2H)-isothiazolone
Special precautionary measures:	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**(b) skin corrosion/irritation:**

Skin:	Product contains components which may have harmful effects at contact with skin and may cause troubles to more sensitive individuals.
Special precautionary measures:	If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water.

**(c) serious eye damage/irritation:**

Eyes:	None data known.
Special precautionary measures:	Product does not contain components classified as causing eye damage.

**(d) respiratory or skin sensitisation:**

Skin:	Product contains components which may cause skin sensitivity and may cause problems to some individuals.
Special precautionary measures:	Wear protective gloves/protective clothing/eye protection/face protection.

**(e) germ cell mutagenicity:**

Exposure to product:	None data known.
Special precautionary measures:	Product does not contain components classified as mutagenic.

**(f) carcinogenicity:**

Exposure to product:	None data known.
Special precautionary measures:	Product does not contain components classified as cancerogenic.

**(g) reproductive toxicity:**

Exposure to product:	None data known.
Special precautionary measures:	Product does not contain components classified as being reprotoxic.

**(h) STOT-single exposure:**

Exposure to product:	None data known.
Special precautionary measures:	Product does not contain components classified as causing harmful effect to organs on single exposure.

**(i) STOT-repeated exposure:**

Exposure to product:	None data known.
Special precautionary measures:	Product does not contain components classified as causing harmful effect to organs on repeated or prolonged exposure.

**(j) aspiration hazard:**

INHALATIONAL	None data known.
Special precautionary measures:	Product does not contain any components known to have aspiration hazards.

## 12. Ecological information

### 12.1. Toxicity

Ecotoxicity - Data on components:	Product (based on the data component) is not classified as dangerous for the environment.
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Chemical Name	CAS No.	Ecotoxicity conc.
5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone 3(2H)-isothiazolone	55965-84-9	Aquatic LC50 (48h) Algae = 0.82 mg/l Aquatic LC50 (96h) Rainbow Trout = 10.85 mg/l Aquatic LC50 (72h) Algae 0.018 mg/l

### 12.2. Persistence and degradability

Biodegradation	No data available
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### 12.3. Bioaccumulative potential

Bioconcentration:	No data available
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### 12.4. Mobility in soil

Mobility	No data
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### 12.5. Results of PBT and vPvB assessment

PBT and vPvB:	No data available
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### 12.6. Other adverse effects

Ecotoxicity - Data on components:	Based on the classification of components, product is not recognised to have adverse effects on the environment.
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## 13. Disposal considerations

### 13.1. Waste treatment methods

Product:	The product leftovers , waste and useless packaging should be handled in accordance with the Regulations on processing of special waste (dir. 75/442/EEC, dir. 94/3/EC).  Waste classification number: 08 01 19
Packaging:	Empty the packaging as thoroughly as possible. The thoroughly emptied packaging (dry) may be disposed of as not dangerous waste according to material type.

## 14. Transport information

Transport information	<b>Transport by road/by railway - ADR/RID, transport by sea IMDG, transport by air IATA:</b> According to the regulations the product IS NOT CLASSIFIED AS DANGEROUS.
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## 15. Regulatory information

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

This Safety Data Sheet has been prepared in accordance with a comprehensive chemicals legislation - REACH Regulation on chemicals and the Regulation for classification, labeling and packaging (CLP/GHS).

The product is under the scope of Directive (EU 2004/42), "DECO VOC". Under the terms of directive, the product is classified into: A.I - Decorative effect coatings, water-borne coatings (WB) 83 g/l

### 15.2. Chemical safety assessment

Has not been conducted.

## 16. Other information

### The importance of H phrases from Chapter 3:

H410 - Very toxic to aquatic life with long lasting effects.

H317 - May cause an allergic skin reaction.

H314 - Causes severe skin burns and eye damage.

H301+H311+H331 - Toxic if swallowed, in contact with skin or inhaled.

<b>Changes from previous revisions:</b>	Changes to the sheet were made in section: 2., 3., 8., 9., 11., 12., 14., 15., 16.
<b>Literature / Data Sources:</b>	Supplier's / manufacturer's safety data, references to toxicological databases.

The information in this Safety Data Sheet refer only to the mentioned product in the form as delivered and it is not necessary valid when this material is used in the combination with other materials or in the processes, which are not foreseen in the instructions for use. This information is correct to the supplier's best of knowledge and reliable at the time of the publication of this Safety data sheet. It is the user's responsibility to ascertain the suitability of the product for a specific use.

The data in this Safety data sheet do not prove the quality of the product, they are only the instructions for the safe use of the product with the user.

In case of non-compliance with the measures or incorrect use of the product , stated in the Safety data sheet we do not accept any responsibility for the consequences.