



# SAFETY DATA SHEET according to regulation EU1907/2006 (REACH)

1 / 9

HELIOS BORITEX Base

Revision No.:1  
Revision Date:20/01/14

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product	HELIOS BORITEX Base
Item code(s):	479653

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

Use, scope:	Impregnation for wood protection The product is used in consumer and professional use.
Use:	brush
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	Flammable Liquid 3
Hazard phrases (H-phrases)	H226 - Flammable liquid and vapour.

### Classification (EU 1999/45)

Environment	The product does not mean special danger for the environment, if the recommendations for the removal from the Paragraph 13 are taken into consideration.
	According to the methodology of the Regulation on the classification, labelling and packing of dangerous substances (Chapter 15), THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS.



## 2.2. Label elements

### Labelling (EU 1999/45)

Health	Environment	Physical-chemical
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Contains:	2-butanone oxime; cobalt bis(2-ethylhexanoate); 4,5-dichloro-2-octyl-2H-isothiazol-3-one May produce an allergic reaction.
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<b>Active Substances:</b>	4,5-dichloro-2-octyl-2H-isothiazol-3-one 1260; 3-iodo-2-propynyl butylcarbamate 460
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**No R sentence is added to the preparation.**

- S 2 Keep out of reach of children.  
 S 16 Keep away from sources of ignition - No smoking.  
 S 37 Wear suitable gloves.  
 S 46 If swallowed, seek medical advice immediately and show this container or label.  
 S 51 Use only in well-ventilated areas.

**EU 1272/2008:**



Signal Word	Warning
Contains:	2-butanone oxime; cobalt bis(2-ethylhexanoate); 4,5-dichloro-2-octyl-2H-isothiazol-3-one EUH208 - May produce an allergic reaction.
<b>Hazard phrases (H-phrases)</b>	H226 - Flammable liquid and vapour.
<b>Precautionary statements:</b>	Keep out of reach of children. P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P370+P378 - In case of fire: use powder, foam or CO2 for extinction. P501 - Dispose of contents/container to authorized disposal organisation.

## 2.3. Other hazards

	Product contains organic solvents.
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## 3. Composition/information on ingredients

### 3.2. Mixtures

Chemical composition:	Coating based on alkyd binder and pigments in organic solvents.
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Chemical Name	Concentration [weight %]	CAS EINECS EU INDEX REACH reg.no.	Classification (EU 1999/45)	Classification (REGULATION (EC) No. 1272/2008)
Hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics	50-100	- 918-481-9 -	Xn; R65 R66	Asp.Tox.1; H304 EUH066
n-butyl acetate	1,0-2,5	123-86-4 204-658-1 607-025-00-1	R10 R66 R67	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066
2-butanone oxime	0,1- 0,5	96-29-7 202-496-6 616-014-00-0 01-2119539477-28	Xn; R21 Xn; R40 Xi; R41 Xi; R43	Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317 Carc. 2; H351 EUH208
cobalt bis(2-ethylhexanoate)	0,1- 0,5	136-52-7 205-250-6 - 01-2119524678-29	Xn; R62 Xi; R43 N; R50/53 Xi; R36	Eye Irrit.2; H319 Skin Sens. 1; H317 Repr. 2; H361 F Aquatic. Acute 1; H400 Aquatic Chronic 1; H410 EUH208
4,5-dichloro-2-octyl-2H-isothiazol-3-one	0,1- 0,5	64359-81-5 264-843-8 -	Xn; R20/21 C; R34 Xi; R37 Xi; R43 N; R50	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic. Acute 1; H400 EUH208

## 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

Unsuitable extinguishing media:	Open water jet
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### 5.2. Special hazards arising from the substance or mixture



### 5.3. Advice for firefighters

Special equipment to protect firefighters:

There are no special features.

## 6. Accidental release measures

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

Personal precautions:

Provide good ventilation.

### 6.2. Environmental precautions

Environmental precautions:

Prevent leakage into water, water dams, cellars, caves or sewage system.

### 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.

## 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:

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.

### 7.3. Specific end use(s)

Packaging materials:

RECOMMENDED: The original manufacturer's packaging.  
UNSUITABLE: Do not use non-genuine and non-labeled containers.

Storage Class:

3A (German VCI Guideline)

## 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:

Chemical Name	TLV (mg/m <sup>3</sup> )
n-butyl acetate	480

### 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 At several contacts with the product use gloves made of nitril rubber with thickness 0,40 mm, in contact with drops of product (minor contacts) the gloves made of nitril rubber of thickness 0,11 mm.
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

Form:	Liquid
Colour:	Colorless
Odour:	Specific for organic solvents
pH:	N.A.
Flash point:	55 ( °C); ISO 3679:2004, closed cup
Density (kg/l):	0,84-0,87 ISO 2811
Viscosity:	DIN2 20°C 55 - 65
Kinematic viscosity:	> 21 mm²/s, 40 °C

### 9.2. Other information

Contents of dry substance (wt. %):	19-21
Solubility in water:	Not determined
Volatile Organic Solvents (kg/kg of products; in terms of EU 1999/13):	0.7813
Total Organic Carbon (kg/kg product, volatile phase):	66.684

## 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:	The presence of open flame or hazardous materials. Avoid contact of product with heat, sparks, flames and other ignition sources.
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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.

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity and evaluation of acute toxicity:

ORAL	No data available	
DERMAL	No data available	
INHALATIONAL	No data available	Method: Calculation method

#### Acute effects:

##### Irritation:

Skin:	May be present at very sensitive individuals.
Eyes:	Possible at very sensitive individuals.
Inhalation routes:	May be present at very sensitive individuals.

##### Hypersensitivity:

Skin:	Possible.
Eyes:	Possible.

#### Chronic effects:

Effects of repeated exposure:	None data known.
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## 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.
n-butyl acetate	123-86-4	Aquatic LC50 (96h) fish = 184 mg/l Aquatic LC50 (96h) Daphnia = 18 mg/l Aquatic LC50 bacteriae > 1000 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

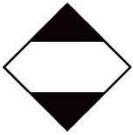
Product:	<p>The product leftovers , waste and useless packaging should be handled in accordance with the Regulations on processing of special and dangerous waste (dir. 91/689/EEC, dir. 2000/532/EC).</p> <p>Waste classification number: 08 01 11 Waste hazardous characteristic: H3-B</p> <p>The recommended dgradation method is the use of the controlled high temperature incineration or disposal to the deposits for dangerous substances.</p>
Packaging:	In case the metal packaging can not be reused, it will be recycled in the ironworks or disposed at special deposits (dir. 94/62/EC, dir. 1999/177/EC).

# 14. Transport information


## Transport by road/by railway - ADR/RID:

14.1. UN number	1263
14.2. UN proper shipping name	PAINT
14.3. Transport hazard class(es)	3
14.4. Packing group	III
Label:	
Hazard number:	30
Tunnel restriction code:	(D/E)




Limited quantities:	 packages: inner: ≤ 5 units; outer: ≤ 30 units
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**Transport by sea – IMDG:**

14.1. UN number	1263
14.2. UN proper shipping name	PAINT
14.3. Transport hazard class(es)	3
14.4. Packing group	III
Label:	
Instructions for emergency EmS:	F-E, S-E
Marine pollutant:	No

**Air transport ( IATA ):**

14.1. UN number	1263
14.2. UN proper shipping name	PAINT
14.3. Transport hazard class(es)	3
14.4. Packing group	III
Label:	

## 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.h - Binding primers, solvent-borne coatings (SB) 680 g/l



## 16. Other information

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

- R 65 Harmful: may cause lung damage if swallowed.
- R 66 Repeated exposure may cause skin dryness or cracking.
- R 10 Flammable.
- R 67 Vapours may cause drowsiness and dizziness.
- R 21 Harmful in contact with skin.
- R 40 Limited evidence of a carcinogenic effect.
- R 41 Risk of serious damage to eyes.
- R 43 May cause sensitisation by skin contact.
- R 62 Possible risk of impaired fertility.
- R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 36 Irritating to eyes.
- R 20/21 Harmful by inhalation and in contact with skin.
- R 34 Causes burns.
- R 37 Irritating to respiratory system.
- R 50 Very toxic to aquatic organisms.
- H304 - May be fatal if swallowed and enters airways.
- H226 - Flammable liquid and vapour.
- H336 - May cause drowsiness or dizziness.
- H312 - Harmful in contact with skin.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H351 - Suspected of causing cancer.
- H319 - Causes serious eye irritation.
- H361f - Suspected of damaging fertility.
- H410 - Very toxic to aquatic life with long lasting effects.
- H302+H312 - Harmful if swallowed or in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H335 - May cause respiratory irritation.

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.