

Trade name: Borax pulv

Substance number: 061912

Version: 7 / CH

Date revised: 17.12.2018

Replaces Version: 6 / CH

Print date: 01.10.19

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

### **1.1. Product identifier**

Borax pulv

Item No. 06191200

### **Registration no.**

Registration no. 01-2119490790-32-XXXX

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

#### **Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible  
for this SDS

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification**

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

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Repr. 1B

H360FD

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

#### **Hazard pictograms**



#### **Signal word**

Danger

#### **Hazard statements**

H360FD

May damage fertility. May damage the unborn child.

#### **Precautionary statements**

P201

Obtain special instructions before use.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313

IF exposed or concerned: Get medicinal advice/attention.

P405

Store locked up.

P501.3

Disposal in compliance with local and national regulations.

#### **Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains

Disodium tetraborate, decahydrate

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**Supplemental information****Further supplemental information**

Restricted to professional users

**Other information**

Not for supply to the general public in Switzerland

**SECTION 3: Composition/information on ingredients****Hazardous ingredients****Disodium tetraborate, decahydrate**

CAS No.	1303-96-4		
EINECS no.	215-540-4		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Repr. 1B	H360FD	

Concentration limits (Regulation (EC) No. 1272/2008)			
	Repr. 1B	H360F	>= 8.5
		D	

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove affected person from danger area, lay him down.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**After skin contact**

Wash off immediately with soap and water and rinse well.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Induce vomiting, seek medical advice.

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

Gastrointestinal complaints, Nausea, Convulsions, CNS Disturbance, Cardiovascular disturbance

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

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Avoid dust formation.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3. Methods and material for containment and cleaning up**

Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal".

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid dust formation. Handle and open container with care.

**Advice on protection against fire and explosion**

Hold breathing apparatus.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place.

**Hints on storage assembly**

Do not store together with foodstuffs.

**Further information on storage conditions**

Keep container dry in a cool, well-ventilated place. Protect from atmospheric moisture and water.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limit values****Disodium tetraborate, decahydrate**

List	SUVA		
Type	MAK		
Value		0,8	ppm(V)
Short term exposure limit		0,8	ppm(V)
Pregnancy group: S; Status: 2017; Remarks: SSc R1BF R1BD ;OAW, NIOSH			

**8.2. Exposure controls****General protective and hygiene measures**

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Store work clothing separately.

**Respiratory protection**

Breathing apparatus in the event of aerosol, mist or fume formation. Particle filter P2

**Hand protection**

Gloves (alkali-resistant)			
Appropriate Material	Natural Latex		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	
Gloves (alkali-resistant)			
Appropriate Material	Polychloroprene		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	
Gloves (alkali-resistant)			

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Appropriate Material	nitrile		
Material thickness		0.35	mm
Breakthrough time	>=	8	h
Gloves (alkali-resistant)			
Appropriate Material	Butyl rubber - Butyl		
Material thickness		0.5	mm
Breakthrough time	>=	8	h
Gloves (alkali-resistant)			
Appropriate Material	Fluoro carbon rubber - FKM		
Material thickness		0.4	mm
Breakthrough time	>=	8	h
Gloves (alkali-resistant)			
Appropriate Material	PVC		
Material thickness		0.5	mm
Breakthrough time	>=	8	h

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Protective clothing

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	crystalline		
<b>Colour</b>	white		
<b>Odour</b>	odourless		
<b>Odour threshold</b>			
Remarks	not determined		
<b>pH value</b>			
Value	appr.	9.2	
Concentration/H <sub>2</sub> O		25	g/l
Temperature		20	°C
Source	GESTIS-Stoffdatenbank		
<b>Melting point</b>			
Value		75	°C
Source	GESTIS-Stoffdatenbank		
<b>Initial boiling point and boiling range</b>			
Value		1575	°C
Source	GESTIS-Stoffdatenbank		
<b>Flash point</b>			
Value		°C	
Remarks	Not applicable		
<b>Flammability (solid, gas)</b>			
Not ignitable			
<b>Vapour pressure</b>			
Remarks	Not applicable		
<b>Density</b>			
Value		1.72	g/cm <sup>3</sup>
Temperature		20	°C
Source	GESTIS-Stoffdatenbank		

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**Solubility in water**

Value	appr. 47		g/l
Temperature	20	°C	

**Decomposition temperature**

Value	1575	°C
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**9.2. Other information****Bulk density**

Value	810	kg/m <sup>3</sup>
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**Other information**

The product is not dangerous for explosions.

**SECTION 10: Stability and reactivity****10.5. Incompatible materials**

Oxidising agents, Acids, Salts of metals, Reactions with strong acids. Reactions with oxidising agents.

**10.6. Hazardous decomposition products**

None known

**SECTION 11: Toxicological information \*\*\*****11.1. Information on toxicological effects****Acute oral toxicity (Components)****Disodium tetraborate, decahydrate**

Species	rat		
LD50	6000		mg/kg

**Acute dermal toxicity (Components)****Disodium tetraborate, decahydrate**

Species	rabbit		
LD50	> 2000		mg/kg

**Acute inhalative toxicity (Components)****Disodium tetraborate, decahydrate**

Species	rat		
LC50	> 2		mg/l

**Skin corrosion/irritation (Components)****Disodium tetraborate, decahydrate**

Species	rabbit		
evaluation	non-irritant		

**Serious eye damage/irritation (Components)****Disodium tetraborate, decahydrate**

Species	rabbit		
evaluation	slightly irritant		

**Disodium tetraborate, decahydrate**

Species	Human		
evaluation	non-irritant		

**Sensitization (Components)****Disodium tetraborate, decahydrate**

Remarks	No data available.
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## **SECTION 12: Ecological information \*\*\***

### **12.1. Toxicity**

#### **General information**

Test conducted with a similar formulation.

#### **Fish toxicity (Components)**

##### **Disodium tetraborate, decahydrate**

Species	Limanda limanda	
LC50	74	mg/l
Duration of exposure	96	h
Source	Natriumtetraborat	

#### **Daphnia toxicity (Components)**

##### **Disodium tetraborate, decahydrate**

Species	Daphnia magna	
IC50	342	mg/l
Duration of exposure	24	h
Source	Natriumtetraborat	

#### **Algae toxicity (Components)**

##### **Disodium tetraborate, decahydrate**

Species	Scenedesmus subspicatus	
IC10	24	mg/l
Duration of exposure	9	h
Source	Natriumtetraborat	

### **12.6. Other adverse effects**

#### **General information / ecology**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow liquid and/or vapour to enter subsoil.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal recommendations for the product**

EWC waste code	No not dispose with rubbish.
EWC waste code	Should not be released into the sanitary sewer system.

In accordance with regulations for special waste, must be taken, to an underground disposal site.

#### **Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.  
Packaging that cannot be cleaned should be disposed off as product waste.

## **SECTION 14: Transport information**

	<b>Land transport ADR/RID</b>	<b>Marine transport IMDG/GGVSee</b>	<b>Air transport ICAO/IATA</b>
<b>14.1. UN number</b>	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

## **SECTION 15: Regulatory information**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 1

Remarks Classification according to Annex 4 VwVwS

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H360FD May damage fertility. May damage the unborn child.

**CLP categories listed in Chapter 3**

Repr. 1B Reproductive toxicity, Category 1B

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.