

# SAFETY DATA SHEET

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

## 50 088 - Casein binding medium

Article No.  
Version 3 ( 04.10.17 )

Issue date: 04.10.17  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name 50 088 - Casein binding medium

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

General use  
Products for creation of art.

Uses advised against

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

H. Schmincke & Co. GmbH & Co. KG  
Otto-Hahn-Str. 2  
D - 40699 Erkrath  
Tel. +49 (0) 211-2509-0  
Fax. +49 (0) 211-2509-497  
info@schmincke.de  
www.schmincke.de

Dept. responsible for information  
Schmincke-lab:  
mo-th 8.00-16.30, fr 8.00-13.30  
Tel. +49 (0) 211-2509-474  
labor@schmincke.de

#### 1.4 Emergency telephone number

Emergency  
Information  
Phone #

Emergencycall Berlin  
(24h - counseling in german and english)  
+49 (0) 30-30686790

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

no hazard labelling required

#### 2.2 Label elements

##### Labelling (CLP)

##### Signal word

##### Hazard statements

no hazard labelling required

##### Safety precautions

#### 2.3 Other hazards

### SECTION 3: Composition / information on ingredients

#### 3.1 Substances

##### Chemical characterisation

Borax pulping of lactic casein  
CAS-Number  
EINECS / ELINCS / NLP  
EU index number  
Customs tariff number

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REACH registration No.  
RTECS-no.  
Hazchem-Code  
CI-Number

### 3.2 Mixtures

Substance 1
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disodium tetraborate, decahydrate: < 3,0 %  
CAS: 1330-43-4  
Repr. 1A; H360FD

#### **Additional information**

This substance has been listed as SVHC (substance of very high concern) in the Candidate List according to Article 59 of REACH. annex 14 (disodium tetraborate, decahydrate)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### **General information**

#### **In case of inhalation**

Move victim to fresh air. Seek medical attention if problems persist.

#### **In case of skin contact**

Thoroughly wash skin with soap and water. Seek medical attention if irritation persists.

#### **After eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

#### **After swallowing**

Rinse mouth immediately and drink plenty of water. Seek medical treatment in case of troubles.

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

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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

#### **Extinguishing media which must not be used for safety reasons**

strong water jet

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

In case of fire may be liberated: Carbon monoxide and carbon dioxide

### 5.3 Advice for firefighters

#### **Special protective equipment for firefighters**

Wear self-contained breathing apparatus.

#### **Additional information**

## SECTION 6: Accidental release measures

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

Use personal protective equipment as required. refer to section 8

### 6.2 environmental precautions

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Discharge into the environment must be avoided.

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

#### **Methods for cleaning up**

Collect spilled material using paper towels and dispose. Disposal: see section 13

#### **Additional information**

### **6.4 Reference to other sections**

## SECTION 7: Handling and storage

### **7.1 Precautions for safe handling**

#### **Advices on safe handling**

Avoid contact during pregnancy/while nursing. Handle in accordance with good industrial hygiene and safety practice.

#### **Precautions against fire and explosion**

No special measures are required.

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

#### **Requirements for storerooms and containers**

The product are stable against frostiness and can be frozen.

#### **Hints on joint storage**

#### **Storage class**

#### **Further details**

### **7.3 Specific end use(s)**

No special measures necessary if stored and handled as prescribed.

## SECTION 8: Exposure controls/personal protection

### **8.1 Control parameters**

1330-43-4 disodium tetraborate, decahydrate

D	WEL	0,500 mg/m <sup>3</sup>	2 (I); AGS
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### **8.2 Exposure controls**

#### **Occupational exposure controls**

##### **Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection must be worn whenever the WEL levels have been exceeded.

Use appropriate respiratory protection. Particle filter device (DIN EN 143)

##### **Hand protection**

Qualified materials: Nitrile rubber

Layer thickness: > 0,11 mm

Breakthrough time > 480 min

Ultranitril 492 - MAPA GmbH, Industriestraße 21- 25, D-27404 Zeven, Internet: www.mapa-pro.de Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided.

##### **Eye protection**

Goggles

##### **Body protection**

Wear suitable protective clothing. Wash contaminated clothing prior to re-use.

##### **General protection and hygiene measures**

Wash hands before breaks and after work.

## SECTION 9: Physical and chemical properties

### **9.1 information on basic physical and chemical properties**

Form liquid  
Colour beige- amber, cloudy  
Odour characteristic

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	min	max
Initial boiling point and boiling range		
Melting point/freezing point		
Flash point/flash point range		
Flammability		
Ignition temperature		
Auto-ignition temperature		
Explosion limits		
Refraction index		
Partition coefficient: n-octanol/water		
Danger of explosion		
Vapour pressure		
Density	~	
	1,06 g/ml	
PH value	8,0 -	9
Viscosity dynamic of		
Viscosity dynamic up to		
Viscosity kinematic of		
Viscosity kinematic up to		

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

Product is stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

strong oxidizing agents

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### In case of inhalation

No data available

#### After swallowing

No data available

#### In case of skin contact

No data available

#### After eye contact

No data available

### Practical experience

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### General remarks

### Toxicological tests

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity  
Water Hazard Class n.w.g.  
WGK catalog number  
General information

### 12.2 Persistence and degradability

Further details  
Oxygen demand

### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)  
Partition coefficient: n-octanol/water

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information

### Ecotoxicological effects

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number 080 112 080112 waste paint and varnish other than those mentioned in 080111  
Recommendation

#### Contaminated packaging

Waste key number  
Recommendation

#### Additional information

## SECTION 14: Transport information

### 14.1 UN number

### 14.2 UN proper shipping name

ADR, ADN No dangerous good in sense of these transport regulations.  
IMDG, IATA

### 14.3 Transport hazard class(es)

ADR, ADN  
IMDG  
IATA

### 14.4 Packing group

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### 14.5 Environmental hazards

Marine Pollutant - IMDG  
Marine Pollutant - ADN

### 14.6 Special precautions for user

#### Land transport

Code: ADR/RID  
Kemmler-number  
Hazard label ADR  
Limited quantities  
Contaminated packaging: Instructions  
Contaminated packaging: Special provisions  
Special provisions for packing together  
Portable tanks: Instructions  
Portable tanks: Special provisions  
Tank coding  
Tunnel restriction  
Remarks  
EQ  
Special provisions

#### Inland waterway craft

Hazard label  
Limited quantities  
Transport permitted  
Equipment necessary  
Ventilation  
Remarks  
EQ  
Special provisions

#### Sea transport

EmS  
Special provisions  
Limited quantities  
Contaminated packaging: Instructions  
Contaminated packaging: Special provisions  
IBC: Instructions  
IBC: Provisions  
Tank instructions IMO  
Tank instructions UN  
Tank instructions Special provisions  
Stowage and segregation  
Properties and observations  
Remarks  
EQ

#### Air transport

Hazard  
Passenger  
Passenger LQ  
Cargo  
ERG  
Remarks  
EQ

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Special Provisioning

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

## SECTION 15: Regulatory information

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

#### National regulations

##### Europe

Contents of VOC [%]

Contents of VOC

[g/L]

Further regulations, limitations and legal requirements

##### Germany

Storage class

Water Hazard Class n.w.g.

WGK catalog number

Incident regulation

Information on working limitations

Further regulations, limitations and legal requirements

##### Denmark

Further regulations, limitations and legal requirements

##### Hungary

Further regulations, limitations and legal requirements

##### Great Britain

Further regulations, limitations and legal requirements

##### Switzerland

Contents of VOC [%]

0 %

Further regulations, limitations and legal requirements

##### USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

##### Japan

Further regulations, limitations and legal requirements

##### Canada

Further regulations, limitations and legal requirements

### 15.2 Chemical Safety Assessment

## SECTION 16: Other information

#### Further information

Hazard statements (CLP)

H319 Causes serious eye irritation.

H360FD May damage fertility. May damage the unborn child.

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### Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

### Literature

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

### Reason of change

### Additional information