

# SAFETY DATA SHEET

according to 91/155/EEC

<b>Date/revised on:</b> 06.09.2004		page 1/4		
<b>Version:</b> 5				
<b>Trade name:</b> Diffusit® S				
<b>1 Substance/preparation and company name</b>				
<b>Trade name:</b>		Diffusit® S		
<b>Company:</b>		Dr. Wolman GmbH, Postbox 1160, D - 76545 Sinzheim		
<b>Emergency information:</b>		Product Management Tel. ++ 49 7221 800-0 or 800 – 234		
<b>2 Composition/information on ingredients</b>				
<b>Chemical nature:</b>		Wood preservative based on boron compounds		
<b>Contains</b>				
<b>CAS number</b>	<b>Name</b>	<b>%</b>	<b>Classification</b>	<b>R-phrases</b>
10043-35-3	Boric acid	52.5	—	—
1303-96-4	Borax	32.5	—	—
<b>3 Possible Hazards</b>				
<b>Principal hazard:</b>				
<b>Critical hazard to man and environment:</b> Not applicable				
<b>4 First aid measures</b>				
<b>General advice</b>		Remove contaminated clothing immediately		
<b>if inhaled:</b>		—		
<b>on skin contact:</b>		Wash thoroughly with plenty of water		
<b>on contact with eyes:</b>		Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist		
<b>on ingestion:</b>		Rinse mouth immediately, seek medical attention		
<b>5 Fire fighting measures</b>				
<b>Suitable extinguishing media:</b>		Water, foam, powder, dry extinguishing media		
<b>Extinguishing media not to be used:</b>		—		
<b>Special protective equipment:</b>		No special measures necessary		

**6 Accidental release measures**

<b>Personal precautions:</b>	Ensure adequate ventilation
<b>Environmental precautions:</b>	Do not discharge into drains or into the soil
<b>Methods for cleaning up:</b>	Soak up with absorbent material. Prevent larger amount from spreading and pump into suitable container if possible

**7 Handling and storage****Handling:**

The precautions generally taken with chemicals are to be observed when handling and applying the product. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke.

**Storage:**

Storage in original container tightly closed. Keep out of reach of children. Ensure thorough ventilation of storage and work areas.

**VbF-class:** —

**8 Exposure controls and personal protection**

**Additional information on the lay-out of technical plant:** see 7

**Personal protective equipment:**

**Respiratory protection:** Breathing protection if ventilation is inadequate

**Hand protection:** Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chlorophene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.

**Eye protection:** Tightly fitting safety goggles (EN 166)

**Body protection:** Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

**General safety and hygiene measures:**

Observe the precautions generally taken with chemicals

**9 Physical and chemical properties**

<b>Form:</b>	liquid
<b>Colour:</b>	yellowish, orange or brown
<b>Odour:</b>	slight
<b>Melting point /melting range:</b>	—
<b>Boiling point / boiling range:</b>	—
<b>Flash point:</b>	not applicable
<b>Ignition temperature:</b>	—
<b>Explosion limits:</b>	not applicable
<b>Vapour pressure:</b>	—
<b>Density:</b>	1.4 g/cm <sup>3</sup> at 20 °C
<b>pH-value:</b>	7.0 - 7.5 (approx.) at 20 °C and 200 g/l H <sub>2</sub> O
<b>Solubility in water:</b>	250 g/l at 20 °C
<b>Viscosity:</b>	—

## 10 Stability and reactivity

- Conditions to be avoided:** —
- Substances to be avoided:** —
- Hazardous decomposition products:** No decomposition if correctly stored and handled

## 11 Toxicological information

### Acute toxicity:

LD<sub>50</sub> oral (rat): > 4000 mg/kg (calculated)

## 12 Ecological information

### Ecotoxicity

- Toxicity to fish: LC<sub>50</sub> (96 h): > 100 mg/l (calculated)
- Aquatic invertebrates: EC<sub>50</sub> (48 h): > 100 mg/l (calculated)
- Aquatic plants: EC<sub>50</sub> (72 h): approx. 100 mg/l (calculated)
- Microorganisms/Effect on activated sludge: EC<sub>50</sub> (17 h): > 100 mg/l (calculated)

### Elimination information:

Boron is naturally occurring and ubiquitous in the environment. Boric acid decomposes in the environment to natural borate.

### General advice:

Observe the legal provisions regarding the prevention of pollution of ground and surface water as well as air and soil. Do not discharge product into natural waters without pre-treatment.

Diffusit S (boron salt) has herbicidal properties

## 13 Disposal considerations

**Product:**  
**Recommendations:** Dispose of by special means in accordance with local regulations e.g. suitable incineration

**Contaminated packaging:**  
**Recommendations:** After employing and appropriate cleaning containers can be recycled or given back to the producer

**14 Transport information**

**Land transport ADR/RID and GGVS/GGVE (international/national):**

**Class:** —  
**UN-number:** —  
**Description of the good:** —  
**Packaging group:** —

**Sea transport IMDG/GGVSee:**

**Class:** —  
**UN-number:** —  
**Proper shipping name:** —  
**Packaging group:** —  
**EMS-number:** —  
**MFAG:** —

**Air transport ICAO-TI and IATA-DGR:**

**Class:** —  
**UN-number:** —  
**Proper shipping name:** —  
**Packaging group:** —

**15 Regulatory information**

**Labelling according to EC Directives:** Not subject to labelling

**National legislation / regulations:**

**VbF classification:** —

**Water hazard class:** WGK 1 - light water hazardous (self classification - Germany)

**16 Other information**

All information is given in conjunction with the Technical Leaflet. The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.