



# Material Safety Data Sheet

according to 91/155/EEC



**Product name :** Plextol B 500 (4172)  
**Revision :** 07.10.2004      **Version :** 1.0.0  
**Print date :** 10.01.2005

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## **Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

## **Special protective equipment**

Appropriate breathing apparatus may be required.

## **Additional information**

Do not allow the quenching water into the sewage system.

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## **06. Accidental release measures**

### **Personal precautions**

Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions**

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

### **Methods for cleaning up/collecting**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

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## **07. Handling and storage**

### **Information for safe handling**

Do not eat or drink during work - no smoking. Comply with the health and safety at work laws. For personal protection see Section 8.

### **Requirements to be met by storerooms and containers**

No particular measures required.

### **Information about separation of incompatible products**

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

### **Further information about storage conditions**

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep containers dry and cool. Comply with the health and safety at work laws.

**Storage class (VCI) :** 12

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## **08. Exposure controls and personal protection**

### **Components with critical values that require monitoring at the workplace (exposure limits)**

AMMONIA SOLUTION ; CAS-No. : 1336-21-6

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )

Value : 50 ppm / 35 mg/m<sup>3</sup>

Category : = 1 =

Remarks : Y

Version date : 01.09.2001

### **Personal protective equipment**

#### **Respiratory protection**

If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

#### **Eye protection**

Use safety glasses.

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## Body protection

After skin contact wash thoroughly with soap and water or use recognised skin cleanser. Do Not use solvents or thinners.

## 09. Physical and chemical properties

### Image

**Form :** Liquid.  
**Colour :** Whitish.  
**Odour :** Characteristic.

### Relevant safety data

<b>Boiling point / range :</b>	( 1013 hPa )	ca.	100	°C
<b>Flash point :</b>			not applicable	
<b>Vapour pressure :</b>	( 50 °C )	ca.	120	hPa
<b>Density :</b>	( 20 °C )		1.05 - 1.07	g/cm <sup>3</sup>
<b>pH value :</b>			7.5 - 9.95	
<b>Viscosity :</b>	( 20 °C )	<	100 - 20000	mPa.s

## 10. Stability and reactivity

### Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

### Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

## 11. Toxicological information

### Additional toxicological information

There no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Sections 2 and 15 for details.

## 12. Ecological information

### Additional ecological information

#### General ecological information

There are no data available on the product itself. Do not empty into waters or drains.

## 13. Disposal considerations

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

## 14. Transport information

### Land transport ADR/RID and GGVS/GGVE (2000)

#### Classification

Class : -

### Land transport ADR/RID (2001)

#### Classification

Class : -

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## Maritime transport IMDG/GGVSea

### Classification

IMDG-Code : -

## Air transport ICAO-TI and IATA-DGR

### Classification

Class : -

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## 15. Regulatory information

### Classification according to EEC directives

#### Special designation for certain preparations

101                      Safety data sheet available for professional user on request.

### National regulatory information

#### Ordinance for average cases (StörfallIV)

#### Dangerous ingredients according to StörfallIV

AMMONIA SOLUTION ; CAS-No. : 1336-21-6

#### Regulation on inflammable liquids (VbF)

VbF-Class : Not dangerous according to VbF

#### Emission control act ("TA-Luft")

Sum organic substances class III : < 5 %

#### Water pollution classification

Class : 1 according VwVwS

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## 16. Other information

### Further information

The details in this material safety data sheet satisfy national and EU legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

#### R-Phrases of components

34                      Causes burns  
50                      Very toxic to aquatic organisms

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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