

Date of issue: 21.07.2004 Replaces Data Sheet of : 08.07.2004

"\*\*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



**1 Identification of Substance / Preparation and Company**

**1.1 Identification of Substance or Preparation**

**Trade Name :** PSS 20, PSS 20 Clear

**Use :** Protection against graffiti and other contamination

**1.2 Company / Undertaking Identification**

**1.2.1 Address of the Company / Undertaking :**

PSS INTERSERVICE Ltd., CH - 8954 Geroldswil, Rebbergstr. 10, P.O. Box

\* Telephone : ++41-44-749 24 24, Fax : ++41-44-749 24 25

**1.2.2 Responsible :**

CHEMCO, Dipl. - Chemikerin R. Fechner, Schulzenhof 53, D - 33106 Paderborn

**1.3 Emergency - Telephone**

Swiss Toxicological Information Centre: ++41-44-251 51 51

Emergency - Telephone of Company / Undertaking: ++41-44-749 24 24

**2 Composition / Information on Ingredients**

**2.1 Chemical Characterisation:**

Aqueous solution of polysaccharides

**2.2 Dangerous Ingredients:**

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
<b>Remarks:</b>						
Classification and labelling of a product is indicated under item 15.						
Exposure Controls / Personal Protection under item 8						
R -phrase(s) under item 16						

**3 Hazards Identification**

**3.1 For Humans** (additional information is given under item 11) :

**3.1.1 Classification :**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**3.1.2 Additional advice :**

None.

**3.2 For the Environment :**

None.

**3.3 For Materials:**

None.

**4 First Aid Measures**

**4.1 Inhalation:**

No hazards which require special first aid measures.

**4.2 Skin Contact :**

Rinse with water.

**4.3 Eye Contact :**

Flush eyes with water as a precaution

**4.4 Ingestion :**

Clean mouth with water and drink afterwards plenty of water.

**4.5 Note to Physician:**

None.

**4.6 Special Equipment:**

n.av.

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## 5 Fire Fighting Measures

- 5.1 **Suitable Extinguishing Media :** Foam, powder, carbon dioxide and water.  
5.2 **Extinguishing Media to Avoid :** None.  
5.3 **Fire and Explosion Hazards :**  
In the event of fire carbon oxides may be formed.  
5.4 **Additional Information :** The product itself does not burn.  
5.5 **Special Protective Equipment :**  
Wear positive pressure self-contained breathing apparatus.  
Wear full protective clothing.

## 6 Accidental Release Measures

- 6.1 **Personal Precautions :**  
See No. 8.3 Personal Protective Equipment.  
6.2 **Environmental Precautions and Methods for Cleaning up :**  
Flush into sewer with plenty of water.  
6.3 **Further Information :** None.

## 7 Handling and Storage (For national regulations refer to item 15.2)

- 7.1 **Handling**  
7.1.1 **Precautions for Safe Handling :**  
No special precautions required.  
7.1.2 **Precautions in Case of Fire and Explosion :**  
None.  
7.2 **Storage**  
7.2.1 **Storage Instructions :**  
Keep at temperatures above 0 °C. Keep container tightly closed.  
7.2.2 **Store away from :**  
None.  
7.2.3 **Further Information on Storage Conditions :**  
None.  
7.2.4 **Storage Class :** 12 (VCI - Concept)

## 8 Exposure Controls and Personal Protection

- 8.1 **Information on System Design :**  
Provide personal protective equipment.  
8.2 **Exposure Limits:**  
8.2.1 **CAS / Material** **Limit Value according to TRGS 900/ EEC Guidline 2000/39:**  
  
8.3 **Personal Protective Equipment**  
8.3.1 **General Protection and Hygiene :**  
No special precautions required.  
8.3.2 **Respiratory Protection :** No.  
8.3.3 **Hand Protection :** No.  
8.3.4 **Eye Protection :** No.  
8.3.5 **Skin Protection :** No.  
8.3.6 **Further Information :** No.

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9.1	<b>Appearance</b>		
9.1.1	<b>Form</b> : liquid	9.1.2 <b>Colour</b> : colourless	9.1.3 <b>Odour</b> : none
9.2	<b>Safety Relevant Data</b>		
9.2.1	pH-value:	6 - 7	
9.2.2	Boiling point / Boiling - range (°C) :	100, Melting point / Melting range (°C) : n.av.	
9.2.3	Flash point (°C, c.c.) :	n.ap.	
9.2.4	Flammability (EEC A10/A13) :	n.ap.	
9.2.5	Ignition temperature (°C) :	n.ap.	
9.2.6	Autoflammability (EEC A16) :	n.ap.	
9.2.7	Oxidising properties :	n.ap.	
9.2.8	Explosion hazard :	n.ap.	
9.2.9	Explosion limits (Vol.%) lower :	n.ap., upper : n.ap.	
9.2.10	Vapour pressure :	n.av.	
9.2.11	Density (g/ml) :	1	
9.2.12	Solubility (in Water) :	completely soluble	
9.2.13	Partition coefficient, n-Octanol/Water :	n.av.	
9.2.14	Viscosity :	6 - 7 cP	
9.2.15	Solvent separation test :	n.ap.	
9.2.16	Solvent content (m %) :	n.ap.	
9.2.17	Fat solubility :	no	
9.3	<b>Further Data</b>		
9.3.1	Thermal decomposition (°C) :	n.av.	
9.3.2	Vapour density (Air = 1) :	n.av.	
9.3.3	Evaporation rate :	n.av.	

**10 Stability and Reactivity**

10.1	<b>Conditions to Avoid</b> :	None.
10.2	<b>Materials to Avoid</b> :	None.
10.3	<b>Hazardous Decomposition Products</b> :	None.
10.4	<b>Further Information</b> :	None.

**11 Toxicological Information**

11.1	<b>Toxicological Tests</b> :	
11.1.1	<b>Acute Health Effects</b> :	
	Inhalation, LC <sub>50</sub> rat, (mg/l/4h) :	n.av.
	Ingestion, LD <sub>50</sub> rat, (mg/kg) :	n.av.
	Skin - contact, LD <sub>50</sub> rat, (mg/kg) :	n.av.
	Irritation (to skin / eye) :	None.
	Sensitisation :	None.
11.1.2	<b>Subacute / Chronic Toxicity</b> :	
	Carcinogenicity :	None.
	Mutagenicity :	None.
	Teratogenicity :	None.
	Narcotic Effects :	None.
11.2	<b>Practical Experience</b>	
11.2.1	Observations relevant for classification :	None.
11.2.2	Further Observations :	None.
11.3	<b>General Remarks</b> :	
	Classification of the preparation has been done by calculation in accordance with EEC directives.	

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**12 Ecological Information**

12.1 **Elimination (Persistence and Degradability) :**  
 Biological degradability : 100 %

12.2 **Behaviour in Sewage Works :**  
 Mobility and Accumulation Potential :  
 Does not bioaccumulate.

12.3 **Ecotoxic Effects, Aquatic Toxicity :**  
 n.av.

12.4 **Other Ecological Information**

- 12.4.1 COD-Value, mg/g : n.av.
- 12.4.2 BOD<sub>5</sub>-Value, mg/g : n.av.
- 12.4.3 AOX-Remarks : n.ap.
- 12.4.4 Significant Components : None.

**13 Disposal Considerations** (For national Regulations refer to item 15.)

13.1 **Residues**

13.1.1 Recommendation : D 1 (91/156) Waste - Code - No. : 08 02 99  
 In addition comply with the regional authorities.

13.1.2 Safe Handling: See item 7 and 15.

13.2 **Contaminated Packaging**

13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.  
 13.2.2 Safe Handling : As described under Residues.

**14 Transport Information**

14.1 **Transportation by Road or Railway according to ADR/GGVS and RID/GGVE**

**Remarks : Not classified as dangerous in the meaning of transport regulations.**

Class : Classification Code: Packing Group:  
**Instructions for Transportation in Tanks : Hazard-No. :** UN-No. :

14.1.1 **Instruction Concerning Shipper's Declaration and Packaging :**

Volume or Mass	Description of Goods	Risklabel Packing - Code or marginal
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14.1.2 **Listed Cargo as per Appendix B.8 :**

14.1.3 **Additional Designation in the Shipper's Declaration : Inscription on Packaging :**

14.2 **Classification for Transportation by Inland-Navigation according to ADNO/GGVBinSch**

**Remarks : Classification has not been done.**

Class : Division : Category :

14.2.1 **Description of Goods :**

14.2.2 **Remarks :**

14.3 **Classification for Transportation by Vessels according to IMDG/GGVSee**

**Remarks : Not classified as dangerous in the meaning of transport regulations.**

Class : UN-No. : Packing Group :

\*14.3.1 **EmS-Fire / Leak: MFAG-Table :**

14.3.2 **Marine Pollutant :**

14.3.3 **Instruction for Declaration and Labelling :**  
 (Packing sizes with possible exemptions not considered)

**Proper Shipping Name :**

**Risk Label :**

14.3.4 **Remarks :**

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**14.4 Classification for Transportation by Aeroplane according to IATA-DGR/ICAO-TI**  
**Remarks : Not classified as dangerous in the meaning of transport regulations.**

Class :                      UN-No. :                      Packing Group :

**14.4.1 Instruction for Declaration and Labelling :**

(Packing sizes with possible exemptions not considered)

**Proper Shipping Name :**

**Risk Label :**

Packing Instructions, Passenger :                      Cargo :

**14.4.2 Remarks :****15 Regulatory Information****15.1 Classification according to EEC-Regulations :**

Classification required by EEC : No.

Applicable Exemptions :

Hazard Identification :

Hazard Symbol(s) :

Component(s) :

**R-Phrases :**

**S-Phrases :**

Additional Markings :

15.1.1 The above mentioned classification is valid for distribution to industrial user.

Labelling (formats, exemptions, additional markings) has to be done according to respective regulations.

**16 Other Information****R-Phrases :**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**Further information to work out the Data sheet:**

Data of the producer.

\*The statements in this Material Safety Data Sheet were made to the best of our knowledge (1999/45/EC and 2004/73/EC) and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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