

Date of issue: 14.09.2006 Replaces Data Sheet of : 21.07.2005

"*)" 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.	EC - No.	Material	m% - range	Symbol	R - phrases
Remarks:						
Classification and labelling of a product is indicated under item 15.						
Exposure Controls / Personal Protection under item 8						
R -phrase(s) under item 16						

Remarks:

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.

Tradename : PSS 20, PSS 20 Clear

Company / Distributor : PSS INTERSERVICE Ltd., CH - 8954 Geroldswil, Rebbergstr. 10, P.O. Box
 Telephone : ++41-44-749 24 24, **Date of issue:** 14.09.2006 **Replaces Data Sheet of :** 21.07.2005

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/ EC 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.

Tradename : PSS 20, PSS 20 Clear

Company / Distributor : PSS INTERSERVICE Ltd., CH - 8954 Geroldswil, Rebbergstr. 10, P.O. Box
 Telephone : ++41-44-749 24 24, **Date of issue:** 14.09.2006 **Replaces Data Sheet of :** 21.07.2005

9 Physical and Chemical Properties

9.1	Appearance		
9.1.1	Form : liquid	9.1.2 Colour : colourless	9.1.3 Odour : none
9.2	Safety Relevant Data		
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 (EC A10/A13) :	n.ap.	
9.2.5	Ignition temperature (°C) :	n.ap.	
9.2.6	Autoflammability (EC 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 %) / VOC:	n.ap.	
9.2.17	Fat solubility :	no	
9.3	Further Data		
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	Conditions to Avoid :	None.
10.2	Materials to Avoid :	None.
10.3	Hazardous Decomposition Products :	None.
10.4	Further Information :	None.

11 Toxicological Information

11.1	Toxicological Tests :	
11.1.1	Acute Health Effects :	
	Inhalation, LC ₅₀ rat, (mg/l/4h) :	n.av.
	Ingestion, LD ₅₀ rat, (mg/kg) :	n.av.
	Skin - contact, LD ₅₀ rat, (mg/kg) :	n.av.
	Irritation (to skin / eye) :	None.
	Sensitisation :	None.
11.1.2	Subacute / Chronic Toxicity :	
	Carcinogenicity :	None.
	Mutagenicity :	None.
	Teratogenicity :	None.
	Narcotic Effects :	None.
11.2	Practical Experience	
11.2.1	Observations relevant for classification :	None.
11.2.2	Further Observations :	None.
*11.3	General Remarks :	
	Classification of the preparation has been done by calculation in accordance with EC directives 1999/45 and 2006/8.	

Tradename : PSS 20, PSS 20 Clear
 Company / Distributor : PSS INTERSERVICE Ltd., CH - 8954 Geroldswil, Rebbergstr. 10, P.O. Box
 Telephone : ++41-44-749 24 24, **Date of issue:** 14.09.2006 **Replaces Data Sheet of :** 21.07.2005

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 BOD₅-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
----------------	----------------------	-----------	----------------------------

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 :**

Tradename : PSS 20, PSS 20 Clear

Company / Distributor : PSS INTERSERVICE Ltd., CH - 8954 Geroldswil, Rebbergstr. 10, P.O. Box
Telephone : ++41-44-749 24 24, **Date of issue:** 14.09.2006 **Replaces Data Sheet of :** 21.07.2005

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 EC-Regulations :**

Classification required by EC : 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.

Prepared by : CHEMCO, Dipl. - Chemikerin R. Fechner, Schulzenhof 53, D - 33106 Paderborn, ☎ ++ 49-5254-9575-05 pss021