

**Date of issue:** 2019-08-28 **Replaces Data Sheet of:** 2018-03-06

"\*\*" alterations as compared to previous version;

n.ap. = not applicable; n.av. = not available



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

- 1.1 **Product identifier / Commercial Product Name:** PSS 20 / PSS Clear
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against:** None known.  
**Use:** Protection against graffiti and other contamination (See product bulletin for detailed information)  
**Chemical nature of the preparation:** Aqueous solution of polysaccharides  
**Company / Undertaking Identification**
- 1.3 **Details of the manufacturer / supplier of the safety data sheet:**  
PSS INTERSERVICE Ltd., P.O. Box 315, Poststr. 1, 8954 Geroldswil, Switzerland  
Telephone: +41 44 749 24 24, Fax: +41 44 749 24 25  
**Contact person:** Mr. M.Schnürle; eMail: m.schnurle@pss-interservice.ch  
**Responsible:**  
CHEMCO123 @ – Chemical Consultancy, graduate chemist, R. Fechner,  
Telephone + 49 5221 6935980, eMail: info@chemco123.de
- 1.4 **Emergency telephone number(s)**  
Swiss Toxicological Information Centre: + 41 44 251 51 51  
Emergency – Telephone of Company / Undertaking: :+41 44 749 24 24

## SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture:** :  
**Classification according to Regulation (EC) 1272/2008:**  
The product does not need to be labelled.
- 2.2 **Label elements according to Regulation (EC) 1272/2008:**  
None.
- 2.3 **Other hazards:**  
**For Humans:**  
None.  
**For the Environment:**  
Not water endangering.  
Persistent, bioaccumulative and toxic substances (PBT-substances): None.  
Very persistent and very bioaccumulative substances (vPvB-substances): None.

## SECTION 3: Composition/information on ingredients

- 3.1 **Dangerous Ingredients:**  
None.

## SECTION 4: First aid measures

- 4.1 **Description of first aid measures:**  
**General advice:**  
Show this safety data sheet to the doctor in attendance.  
**Inhalation:**  
No hazards which require special first aid measures.  
**Skin Contact:**  
No hazards which require special first aid measures.  
**Eye Contact:**  
Flush eyes with water as a precaution.  
**Ingestion:**  
Clean mouth with water and drink afterwards plenty of water.
- 4.2 **Most important symptoms and effects, both acute and delayed:**  
None.
- 4.3 **Indication of any immediate medical attention and special treatment needed:**  
Treat symptomatically.

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Telephone: +41 44 749 24 24 **Date of issue:** 2019-08-28 **Replaces Data Sheet of:** 2018-03-06**SECTION 5: Firefighting measures**

- 5.1 **Extinguishing media:**  
**Suitable Extinguishing Media:** Foam, powder, carbon dioxide and water.  
**Extinguishing Media to Avoid:** None.
- 5.2 **Special hazards arising from the substance or mixture:**  
 In the event of fire carbon oxides may be formed.
- 5.3 **Advice for firefighters:** The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
**Special Protective Equipment:**  
 Wear positive pressure self-contained breathing apparatus.  
 Wear full protective clothing.

**SECTION 6: Accidental release measures**

- 6.1 **Personal precautions, protective equipment and emergency procedures:**  
 Slipping hazard. Soak up with inert absorbent material. (universal binder).
- 6.1.1 *For non-emergency personnel:*  
 No special precautions required.
- 6.1.2 *For emergency responders:*  
 No special precautions required.
- 6.2 **Environmental precautions:**  
 Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material (universal binder). Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.
- 6.3 **Methods and material for containment and cleaning up:**
- 6.3.1 *Methods and material for containment:*  
 Soak up with inert absorbent material (universal binder). Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.
- 6.3.2 *Methods and material for cleaning up:*  
 After cleaning, flush away traces with water.
- 6.3.3 **Inappropriate containment or clean-up techniques:**  
 None known.
- 6.4 **Reference to other Sections:**  
 See also Section 8 / 13.

**SECTION 7: Handling and storage**

- 7.1 **Precautions for safe handling:**
- 7.1.1 **Recommendations shall be specified to:**  
 No special precautions required.
- 7.1.2 **Advice on general occupational hygiene shall be provided:**  
 Handle in accordance with good industrial hygiene and safety practice.
- 7.2 **Conditions for safe storage, including any incompatibilities:**  
 Keep at temperatures above 0 °C. Keep container tightly closed.  
**Precautions in Case of Fire and Explosion:**  
 No special protective measures against fire required. Normal measures for preventive fire protection.
- 7.3 **Specific end use(s):**  
 Protection against graffiti and other contamination

**SECTION 8: Exposure controls/personal protection**

- 8.1 **Control parameters:** None.  
**CAS / Material** **Limit Value according to EC Directive 2000/39 and subsequent amending Directives**
- 8.2 **Exposure controls:**  
 None.
- 8.2.1 **Appropriate engineering controls:**  
 None.

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8.2.2	<b>Personal Protective Equipment</b>	
	<b>Respiratory Protection:</b>	No personal respiratory protective equipment normally required. During spraying wear suitable respiratory equipment. No information available for the filter type. Refer to manufacturer for detailed information.
	<b>Hand Protection:</b>	
	Excessive exposure:	Use protective gloves according to EN 374. (nitrile rubber). Break through time: > 480 Min. Glove thickness: 0,7 mm.
	Short time exposure:	Use protective gloves according to EN 374. (nitrile rubber). Break through time: > 30 Min. Glove thickness: 0,4 mm.
	<b>Eye Protection:</b>	Tightly fitting safety goggles.
	<b>Skin Protection:</b>	Lightweight protective clothing.
	<b>Further Information:</b>	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
	<b>Thermal hazards:</b>	None.
8.2.3	<b>Environmental exposure controls:</b>	None.

**SECTION 9: Physical and chemical properties**

9.1	<b>Information on basic physical and chemical properties:</b>	
	<b>Appearance:</b>	liquid
	<b>Colour:</b>	colourless
	<b>Odour:</b>	odourless
	<b>Odour threshold:</b>	not relevant
	<b>Safety Relevant Data</b>	
	pH-value:	6 - 7
	Boiling point / Boiling - range (°C):	100
	Melting point / Melting range (°C):	n.av.
	Flash point (°C, c.c.):	n.ap.
	Flammability:	n.ap.
	Ignition temperature (°C):	n.ap.
	Autoflammability:	n.ap.
	Oxidising properties:	n.ap.
	Explosion hazard:	n.ap.
	Explosion limits (Vol.%) lower:	n.ap., upper: n.ap.
	Vapour pressure:	n.av.
	Density (g/ml):	1
	Solubility (in Water):	completely soluble
	Partition coefficient, n-Octanol/Water:	n.av.
	Viscosity:	6 - 7 cP
	Solvent separation test:	n.ap.
	Solvent content (m %):	n.ap.
	Fat solubility:	no
9.2	<b>Other information:</b>	
	Thermal decomposition (°C):	n.av.
	Vapour density (Air = 1):	n.av.
	Evaporation rate:	n.av.

**SECTION 10: Stability and reactivity**

10.1	<b>Reactivity:</b>	None.
10.2	<b>Chemical stability:</b>	Stable.
10.3	<b>Possibility of hazardous reactions:</b>	Keep away from oxidising agents

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- 10.4 **Conditions to avoid:**  
None.
- 10.5 **Incompatible materials:**  
None.
- 10.6 **Hazardous decomposition :**  
No dangerous decomposition products when properly handled.

**SECTION 11: Toxicological information**

- 11.1 **Information on toxicological effects**
- 11.1.1 **Mixtures**
- Acute toxicity**
- |                           |                   |
|---------------------------|-------------------|
| LC50/inhalation/4h/rat =  | no data available |
| LD50/oral/rat =           | no data available |
| LD50/dermal/rat =         | no data available |
| Irritation:               | None..            |
| Corrosivity:              | None.             |
| Sensitisation:            | None.             |
| Repeated dose toxicity:   | None.             |
| Carcinogenicity:          | None.             |
| Mutagenicity:             | None.             |
| Toxicity for reproduction | None.             |
- 11.1.2 **Acute toxicity of the ingredients:** not relevant
- |                                       |                   |
|---------------------------------------|-------------------|
| Inhalation, LC50 rat, (mg/l/4h):      | not relevant      |
| Ingestion, LD50 rat, (mg/kg):         | not relevant      |
| Skin - contact, LD50 rabbit, (mg/kg): | None.             |
| Skin corrosion/irritation:            | None.             |
| Serious eye damage/irritation:        | None.             |
| Respiratory or skin sensitisation     | None.             |
| Germ cell mutagenicity:               | None.             |
| Carcinogenicity:                      | None.             |
| Reproductive toxicity:                | None.             |
| STOT-single exposure:                 | None.             |
| STOT-repeated exposure:               | no data available |
| Aspiration hazard:                    | None.             |

**SECTION 12: Ecological information**

- 12.1 **Ecotoxic Effects, Aquatic Toxicity:**  
Not water endangering.
- 12.2 **Persistence and degradability:**  
Biological degradability: 100 %
- 12.3 **Bioaccumulative potential:**  
Does not bioaccumulate.
- 12.4 **Mobility in soil:**  
Does not bioaccumulate.
- 12.5 **Results of PBT and vPvB assessment:**  
Persistent, bioaccumulative and toxic substances (PBT-substances): None.  
Very persistent and very bioaccumulative substances (vPvB-substances): None.
- 12.6 **Other adverse effects**  
None.

**SECTION 13: Disposal considerations**

- 13.1 **Waste treatment methods:**  
**Methods of waste treatment of both the substance or mixture and any contaminated packaging**  
\* **Recommendation:** Dispose of contents / container to a recognized disposal company.  
Waste - Code - No.: 07 07 99- wastes from the MFSU of fine chemicals and chemical products not otherwise specified (Decision 2014/955/EU)

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**SECTION 14: Transport information**

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

Transportation by Vessels according to IMDG/GGVSee

Transportation by Aeroplane according to IATA-DGR/ICAO-TI

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

**SECTION 15: Regulatory information**

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

None.

15.2 **Chemical safety assessment:** None.

**SECTION 16: Other information**

**Text of H phrases mentioned:**

None.

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

Data of the producer.

**Classification:** According to Regulation 1272/2008/EC, including the amending regulations.

The statements in this Material Safety Data Sheet were made to the best of our knowledge according to directive 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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