

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** STAUF PUM-950
- **Details of the supplier of the safety data sheet**
- **Manufacturer:**
STAUF Klebstoffwerk GmbH
Oberhausener Strasse 1
57234 Wilnsdorf, Germany
Phone +49-2739-3010
Fax +49-2739-301200
- **Distributor**
STAUF Australia
Level 1, 450 St Kilda Road
Melbourne, VIC Australia 3004
Phone: +61(3)9867 3674
Fax: +61(3)9867 3675

2 Composition/information on ingredients



- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

2768-02-7	trimethoxyvinylsilane	Xn R20 R10 Flam. Liq. 3, H226 Acute Tox. 5, H333	≤ 2.5%
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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 Xn; Harmful
 R20: Harmful by inhalation.
 R10: Flammable.
- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
 Xn Harmful
- **Hazard-determining components of labelling:**
trimethoxyvinylsilane

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- **Risk phrases:**
 - 10 Flammable.
 - 20 Harmful by inhalation.
- **Safety phrases:**
 - 9 Keep container in a well-ventilated place.
 - 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 - 29 Do not empty into drains.
 - 36 Wear suitable protective clothing.
 - 43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
 - 60 This material and its container must be disposed of as hazardous waste.

4 First aid measures

- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

5 Firefighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** Mount respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Wear protective clothing.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

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· **Reference to other sections**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

7 Handling and storage

· **Precautions for safe handling**

- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.

· **Information about fire - and explosion protection:**

- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.

· **Storage:**

- *Requirements to be met by storerooms and receptacles:* No special requirements.
- *Information about storage in one common storage facility:* Not required.
- *Further information about storage conditions:*
Store in dry conditions.
Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- *Additional information:* The lists valid during the making were used as basis.

· **Personal protective equipment:**

- *General protective and hygienic measures:*

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

- *Respiratory protection:*

Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.

- *Protection of hands:* Not required.

- *Material of gloves*

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- *Eye protection:*



Tightly sealed goggles

- *Body protection:* Protective work clothing

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9 Physical and chemical properties

· General Information

· Appearance:

Form: Fluid
Colour: According to product specification

· *Odour:* Characteristic
· *Odour threshold:* Not determined.

· **pH-value:** Not determined.

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 301 °C

· **Flash point:** 185 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 330 °C

· *Decomposition temperature:* Not determined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

· Explosion limits:

Lower: 0.1 Vol %
Upper: 0.2 Vol %

· **Vapour pressure:** Not determined.

· **Density at 20 °C:** 1.65 g/cm³

· *Relative density* Not determined.

· *Vapour density* Not determined.

· *Evaporation rate* Not determined.

· Solubility in / Miscibility with

water: Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity:

Dynamic at 20 °C: 150000 mPas
Kinematic: Not determined.
Organic solvents: 0.0 %

Solids content: 77.6 %

· **Other information** No further relevant information available.

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- **Acute toxicity:**
- *Primary irritant effect:*
- *on the skin:* No irritant effect.
- *on the eye:* No irritating effect.
- *Sensitization:* No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful

12 Ecological information

- *Aquatic toxicity:*

2768-02-7 trimethoxyvinylsilane

EC10	1000 mg/l (<i>Pseudomonas putida</i>) (5h)
EC50 (static)	169 mg/l (<i>Daphnia magna</i> Wasserfloh) (48h)
NOEC (static)	25 mg/l (<i>Selenastrum capricornutum</i>) (72h)

- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
- *General notes:*
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- *Recommendation:* Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **ADG, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **ADG, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **ADG, ADN, IMDG, IATA**
- *Class* Void
- **Packing group**
- **ADG, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No

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Safety data sheet

According to 91/155 EEC



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- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

15 Regulatory information

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

· Australian Inventory of Chemical Substances

216597-12-5	Trimethoxysilylpropylcarbamate-terminierter
2768-02-7	trimethoxyvinylsilane
166412-78-8	DINCH 1,2 Cyclohexandicarbonsäuediisononylester
20344-49-4	iron hydroxide oxide
67-56-1	methanol

· Standard for the Uniform Scheduling of Medicines and Poisons

67-56-1	methanol	S5, S6
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· Labelling according to EU guidelines:

· Code letter and hazard designation of product:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- *Safety phrases:* Keep out of the reach of children.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Technical Department

· Contact:

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· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 5: Acute toxicity, Hazard Category 5