

Safety data sheet

According to 91/155 EEC

Printing date 18.11.2010

Version number 35

Revision: 18.11.2010

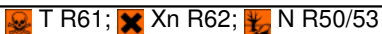

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** PVC Paste
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Adhesives
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Forbo Siegling Pty. Ltd
Factory 1, 124-126 Rodeo Drive
Dandenong South
Victoria 3175. Australia
Ph.: 1300137933
Fax: 1300137944
- **Information department:**
Chemical Laboratory
Email: Claudius.Hayduk@forbo.com
- **Emergency telephone number:**
(001) 352 323 3500 (Transport hazardous materials)
++49 (0) 511-6704-214

2 Composition/information on ingredients

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 85-68-7 EINECS: 201-622-7	BBP		2.5-10%
CAS: 26523-78-4 EINECS: 247-759-6	Trisnonylphenylphosphit		< 0.5%

- **SVHC**

85-68-7	BBP
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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**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



T; Toxic

R61: May cause harm to the unborn child.



Xn; Harmful

R62: Possible risk of impaired fertility.



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

- **Label elements**

- **Labelling according to EU guidelines:**

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

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- **Code letter and hazard designation of product:**



T Toxic
N Dangerous for the environment

- **Hazard-determining components of labelling:**

BBP

- **Risk phrases:**

- 61 May cause harm to the unborn child.
- 62 Possible risk of impaired fertility.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Safety phrases:**

- 53 Avoid exposure - obtain special instructions before use.
- 20 When using do not eat or drink.
- 23 Do not breathe fumes.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 57 Use appropriate container to avoid environmental contamination.

- **Special labelling of certain preparations:**

Contains Trisnonylphenylphosphite. May produce an allergic reaction.

- **Information pertaining to particular dangers for man and environment**

- **Safety phrases:**

- 53 Avoid exposure - obtain special instructions before use.
- 20 When using do not eat or drink.
- 23 Do not breathe fumes.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 57 Use appropriate container to avoid environmental contamination.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

4 First aid measures

- **Description of first aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** MSDB

5 Firefighting measures

- **Extinguishing media**

- **Suitable extinguishing agents**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Hydrogen chloride (HCl)

- **Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

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- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**



Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** 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.
- **Reference to other sections**
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **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:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components 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 that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**
Protective gloves and protective skin cream.
Protective gloves.

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Natural rubber, NR

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.

- **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses

- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	According to product specification
Odour:	Odourless
Odour threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range:	Melting point > 120°C
Boiling point/Boiling range:	245°C

- **Flash point:** 190°C

- **Ignition temperature:** 435°C

- **Decomposition temperature:** Not determined.

- **Self igniting** Product is not selfigniting

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	0.4 Vol %
Upper:	2.9 Vol %

- **Vapour pressure:** Not determined.

Density at 20°C:	1.19063 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.

- **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

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

- **Viscosity:**

dynamic at 20°C:	5000 mPas
kinematic:	Not determined.

- **Solvent content:**

Organic solvents: 0.0 %

Solids content: 56.3 %

- **Other information**

No further relevant information available.

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10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:

85-68-7 BBP

Oral LD50 2330 mg/kg (rat)

- **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:

12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.



Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- Waste treatment methods
- Recommendation



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue

07 02 08* other still bottoms and reaction residues

- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- Land transport ADR/RID (cross-border)



- ADR/RID class: 9 Miscellaneous dangerous substances and articles.
- Danger code (Kemler): 90
- UN-Number: 3082
- Packaging group: III
- Label: 9
- Special marking: Symbol (fish and tree)
- UN proper shipping name: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BBP)
- Tunnel restriction code: E

- Maritime transport IMDG:



- IMDG Class: 9
- UN Number: 3082
- Label: 9
- Packaging group: III
- EMS Number: F-A,S-F
- Marine pollutant: Yes
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BBP)

- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 9
- UN/ID Number: 3082
- Label: 9
- Special marking: Symbol (fish and tree)
- Packaging group: III
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BBP)

- Special precautions for user Warning: Miscellaneous dangerous substances and articles.

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· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15 Regulatory information

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

· Australian Inventory of Chemical Substances

28553-12-0	di-"isononyl" phthalate
85-68-7	BBP
26523-78-4	Trisnonylphenylphosphit
64742-47-8	Distillates (petroleum), hydrotreated light
99-63-8	isophthaloyl dichloride
136-51-6	calcium bis(2-ethylhexanoate)
136-53-8	Zink-bis(2-ethylhexanoat)
67762-41-8	Alcohols, C10-16

· Standard for the Uniform Scheduling of Drugs and Poisons

None of the ingredients is listed.

· Markings according to EU guidelines:

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

· Code letter and hazard designation of product:



T Toxic
N Dangerous for the environment

· Hazard-determining components of labelling:

BBP

· Risk phrases:

- 61 May cause harm to the unborn child.
62 Possible risk of impaired fertility.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Safety phrases:

- 53 Avoid exposure - obtain special instructions before use.
20 When using do not eat or drink.
23 Do not breathe fumes.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
57 Use appropriate container to avoid environmental contamination.

· Special labelling of certain preparations:

Contains Trisnonylphenylphosphit. May produce an allergic reaction.

· National regulations

· Technical instructions (air):

Class	Share in %
II	23.7

· Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

· Relevant phrases

R43 May cause sensitisation by skin contact.

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R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R61 May cause harm to the unborn child.

R62 Possible risk of impaired fertility.

· **Department issuing MSDS:** Chemical Laboratory

· **Contact:**

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