

Material Safety Data Sheet

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1 Identification of substance:

?? **Product details:**

?? **Trade name:** PU-S Paste Colourless

?? **Manufacturer/Importer/Supplier:**

Siegling Australia Pty Ltd ABN 50 003 038 640
Unit 150 45 Gilby Road Mt Waverley. Vic. 3149

?? **Information department:**

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2 Composition/Data on components:

?? **Chemical characterization**

?? **Description:**

Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

117-81-7 bis(2-ethylhexyl) phthalate 2.5-10 %

584-84-9 toluene-2,4-di-isocyanate 2.5 %

101-77-9 4,4'-methylenedianiline < 0.5 %

*** 3 Hazards identification**

?? **Hazard description:** Toxic

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

May cause cancer. Possible risk of impaired fertility Possible risk of harm to the unborn child Harmful by inhalation. May cause sensitization by inhalation. Contains isocyanates. See information supplied by the manufacturer.

?? **Classification system**

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

?? **NFPA ratings (scale 0-4)**

Health = 2

Fire = 1

Reactivity = 0

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**

Immediately wash with water and soap and rinse thoroughly.

?? **After eye contact**

Rinse opened eye for several minutes under running water.

?? **After swallowing** If symptoms persist consult doctor.

5 Fire fighting measures

?? **Suitable extinguishing agents**

Use fire fighting measures that suit the environment.

?? **Protective equipment:** Mount respiratory protective device.

*** 6 Accidental release measures**

?? **Person-related safety precautions:** Not required.

?? **Measures for environmental protection:**

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

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

?? **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

?? **Handling**

?? **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

?? **Information about protection against explosions and fires:**

Keep respiratory protective device available.

?? **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:**

Keep receptacle tightly sealed.

?? **Storage class**

?? **Class according to regulation on flammable liquids:** Void

8 Exposure controls and personal protection

?? **Additional information about design of technical systems:**

No further data; see item 7.

Components with limit values that require monitoring at the workplace:

117-81-7 bis(2-ethylhexyl) phthalate

TLV: Short-term value: 10 mg/m³ Long-term value: 5 mg/m³

584-84-9 toluene-2,4-di-isocyanate

TLV: Short-term value: 0.14 mg/m³, 0.02 ppm

Long-term value: 0.036 mg/m³, 0.005 ppm

?? **Additional information:**

The lists that were valid during the creation were used as basis.

?? **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.

?? **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.
- ?? **Eye protection:** Tightly sealed goggles.

9 Physical and chemical properties:

- ?? **Form:** Fluid
- ?? **Color:** According to product specification
- ?? **Odor:** Characteristic
- ??

	<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
Change in condition			
?? Melting point/Melting range:			undetermined
?? Boiling point/Boiling range:			385 ° C
?? Flash point:			178 ° C
?? Ignition temperature:			370 ° C
?? Auto igniting:			Product is not selfigniting.
?? Danger of explosion:			Product does not present an explosion hazard.
?? Density:	at 20 ° C		1.107 g/cm3
?? Solubility in / Miscibility with			
?? Water:			Not miscible or difficult to mix
?? Viscosity:			
?? dynamic:	at 20 ° C		18200 mPas
?? Solvent content:			
?? Organic solvents:			0.0 %
?? Solids content:			9.5 %

10 Stability and reactivity

- ?? **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- ?? **Dangerous reactions** No dangerous reactions known
- ?? **Dangerous products of decomposition:**
No dangerous decomposition products known

11 Toxicological information

?? **Acute toxicity:**

LD/Lc50 values that are relevant for classification:

117-81-7 bis(2-ethylhexyl) phthalate

Oral: LD50: >30000 mg/kg (rat)

Dermal: LD50: >2000 mg/kg (rabbit)

101-77-9 4,4'-methylenedianiline

Oral: LD50: 347 mg/kg (rat)

?? **Primary irritant effect:**

?? **on the skin:** No irritant effect.

?? **on the eye:** No irritating effect.

?? **Sensitization:** Sensitization possible through inhalation.

?? **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

Carcinogenic

12 Ecological information:

?? **General notes:**

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

?? **Product:**

?? **Recommendation**

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

?? **Uncleaned packagings:**

?? **Recommendation:**

Disposal must be made according to official regulations.

***14 Transport information**

- ?? **DOT regulations:**
- ?? **Hazard class:** -

- ?? **Land transport ADR/RID (cross-border)**
- ?? **ADR/RID class:** -
- ?? **Description of goods:** 4,4'-Diaminodiphenylmethane

- ?? **Maritime transport IMDG:**
- ?? **IMDG Class:** -
- ?? **Marine pollutant:** No

- ?? **Air transport ICAO-TI and IATA-DGR:**
- ?? **ICAO/IATA Class:** -

***15 Regulations**

- ?? **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:** Toxic

- ?? **Hazard-determining components of labelling:**
toluene-2,4-di-isocyanate
bis(2-ethylhexyl) phthalate
4,4'-methylenedianiline

- ?? **Risk phrases:**
May cause cancer. Possible risk of impaired fertility Possible risk of harm to the unborn child Harmful by inhalation. May cause sensitization by inhalation.

- ?? **Safety phrases:**
Avoid exposure - obtain special instructions before use. Do not breathe gas/fumes/vapour/spray. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately.

- ?? **Special labeling of certain preparations:**
Contains isocyanates. See information supplied by the manufacturer.

?? **National regulations**

?? **Classification according to VbF:** Void

?? **Technical instructions (air):**

Class Share in %

I 1.6

II 9.5

?? **Water hazard class:**

Water danger class 3 (Self-assessment): extremely hazardous for water.

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:**

Marketing Services Australia from data sheet provided by Chemical Laboratory Siegling GmbH 30179 Hanover. Lilienthalstr.6/8 Tel 0511/6704-0

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