



# PU1 HARD FLOOR POLYURETHANE COATING

## MATERIAL SAFETY DATA SHEET

Revision Date: 01/05/2018

### 1. Substance/preparation and company identification

Company:

Warrior Pte Ltd

Contact address:

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### 2. Composition/information on ingredients

INGREDIENTS	CAS NO.	WT. %
Aliphatic Urethane	68987-79-1	40 %
Coalescent	141-32-2	5 %
Titanium Dioxide	13463-67-7	25 %
Water	7732-18-5	30 %

### 3. Hazard identification

Not classified as hazardous according to the criteria of ASCC.

Not classified as hazardous according to the criteria of HSNO Minimum degrees of hazard regulations.

Not classified as dangerous goods according to the Australian Code for Transport of Dangerous Goods (ADG).

Not classified as dangerous goods according to the Transport of Dangerous Goods on Land (NZS5433).

**Risk phrase(s):** None

**Safety phrase(s):** None

### 4. First-aid measures

**After inhalation :** Immediately seek fresh air after inhaling of vapour or aerosol.

**After contact with skin:** In case of contact with skin wash off immediately with plenty of water

Consult a doctor if skin irritation persists.



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### 5. Fire-fighting measures

#### Suitable extinguishing media

Water fog, fine water spray, foam or dry agent.

#### Special protective precautions and equipment for fire fighters

Firefighters should use self contained breathing apparatus and protective gloves in case of fire.

### 6. Accidental release measures

#### Emergency procedures

The area in which the spill has occurred will be slippery.

Personnel involved in clean-up require adequate respiratory, skin and eye protection in case of large spillage. Use absorbent - sand or similar. Collect and seal in properly labelled drums for disposal.

In case of spillage prevent the material from entering drains or water courses.

#### Methods and materials for containment and clean up

Contain and collect for disposal. Recycle product if possible.

### 7. Handling and storage

#### Advice on safe handling

No special measures necessary if used correctly.

The product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with government regulations.

#### Advice on protection against fire and explosion

No special measures necessary

#### Advice on safe storage

Store in a cool place away from heat.

#### Shelf life

6 months when stored at 10 - 30 °C



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### 8. Exposure controls/personal protection

#### National exposure standards

No exposure standards have been set for this product or any components.

#### Occupational exposure controls

##### Engineering control

Provide exhaust ventilation where operating conditions may create excessive work place vapour or mists.

##### Eye / face protection / Skin protection

Wear eye/face protection. Avoid contact with the eyes.

Avoid contact with the skin.

Wear chemically resistant gloves and protective clothing.

##### Respiratory protection

Do not breathe vapour/ dust/ spray/ fumes.

In case of insufficient ventilation, wear suitable respiratory equipment.

Use an approved cartridge respirator when working at places of high gas/dust concentrations for a short time.

##### Hygiene measures

This preparation is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract. In case of contact with the product, wash the eye immediately with running water and the skin with water and soap.

### 9. Physical and Chemical Properties

<b>Solubility in water</b>	: Miscible
<b>Boiling point</b>	: Approx 100°C
<b>Flash point</b>	: Not applicable
<b>Specific gravity</b>	: 1.058
<b>Volatile</b>	: <0.2%
<b>Minimum film forming temp:</b>	< 0°C to 60 °C
<b>pH value</b>	: 7.0 -9.5
<b>Viscosity</b>	: 50 - 6500 CPS (Brookfield)



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### 10. Stability and reactivity

#### Thermal decomposition

No decomposition when used as directed.

#### Hazardous reactions

Polymerization with heat evolution may occur in the presence of radical forming substances (eg. Peroxides), reducing substances, and /or heavy metal ions.

#### Hazardous decomposition products

None when used as directed.

### 11. Toxicological information

**Acute oral toxicity** : LD50 > 2.000 mg/kg (rat)

**Irritant effect on skin** : non-irritant

**Irritant effect on eyes** : non-irritant

**Sensitisation** : non-sensitising

### 12. Ecological information

#### Aquatic toxicity

This product is not expected to be harmful to aquatic life or the soil environment based on component information.

#### Remarks

Avoid contaminating waterways. Do not allow material to enter drains or waterways.

### 13. Disposal considerations

#### Product

Dispose of in accordance with local authority regulations

#### Uncleaned packaging

Consider recycling.



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### 14. Transport information

<b>Land</b>	: ADG Not restricted
<b>Land</b>	: NZS5433 Not restricted
<b>Air</b>	: IATA Not restricted
<b>Sea</b>	: IMDG Not restricted

### 15. Regulatory information

<b>HSNO Approval Number</b>	: NA
<b>Tracking</b>	: Not required
<b>Approved Handler</b>	: Not required
<b>Poison Schedule (SUSDP)</b>	: None allocated

### 16. Other Information

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Since the actual use of this product is beyond the control of Warrior Pte Ltd, we make no warranty, expressed or implied, concerning the use of this product. It is the responsibility of users to ascertain that the product is suitable for intended applications.