

## SAFETY DATA SHEET

### 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **ESTOGARD PU S200 – Part A**  
Application: Part A of Self Smoothing Polyurethane Topping.  
Company: **Denka Construction Solutions Malaysia Sdn Bhd**  
Address: No. 18, Jalan Utas 15/7, Seksyen 15, 40200 Shah Alam, Selangor  
Telephone: 03 –55108810 Fax: 03 – 55100708

### 2: HAZARDS IDENTIFICATION

#### Potential Health Effects:

Skin Contact: Prolonged contact on the skin may cause inflammation.  
Eye Contact: May cause severe pain and irritation with corneal injury.  
Inhalation: May cause irritation of nasal passages and throat.  
Ingestion: Not acutely toxic.  
Chronic Effects: Prolonged exposure to vapor or mist may reduce the function of the lungs. Sensitizing effect on the skin may be chronic.

### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Content, %
Modified Polyol	30 – 40
Plasticizer	25 – 35
Water	30 - 40

### 4: FIRST AID MEASURES

Eyes: Flush the eye with water. If irritation persists, obtain medical attention.  
Skin: DO NOT DELAY. Remove contaminated clothing and wash skin with water, using soap if available.  
Inhalation: No specific measures, but personal hygiene practices should always be observed.  
Ingestion: DO NOT INDUCE VOMITTING. Obtain medical attention.

Advance To Physicians: If skin sensitization has developed and a causal relationship has been confirmed, further exposure should not be allowed.

### 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, chemical powder, sand, earth, and foam.  
Special Protective Equipment: Firefighters should use autonomous breathing devices for fires in closed areas.  
Additional Information: Collect contaminated firefighting water separately. It must not enter the sewage system. The product is not in the flammable range but will burn. Carbon monoxide is possible where incomplete combustion occurs.

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## 6: ACCIDENTAL RELEASE MEASURES

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Leaks and Spills:	Extinguish any naked flames.
Small Spillage:	Absorb any split product which remains with sand or earth. Sweep / shovel up and remove material to a safe place for subsequent disposal. Flush the contaminated area with plenty of water.
Large Spillage:	Prevent from spreading or entering drains, ditches, and rivers, using sand or earth. Inform the local authorities if this cannot be prevented. Transfer to a salvage drum / tank, if possible, otherwise treat as for small spillage.

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## 7: HANDLING AND STORAGE

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Handling temperatures:	The maximum temperature recommended for pumping or handling liquid product is 90°C – 95°C
Storage:	Should be stored in conditions so that moisture is excluded, preferably in the original containers kept tightly closed. Under these conditions and at temperatures, the storage life should be at least one year. Container
cleaning:	Wash with solvent – incinerate concentrated solvent washings – preferably crush and scrap drums. Alternatively send them for reconditioning.

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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General controls:	There are no recommended or established exposure levels.
Respiratory protection:	Not normally required. In the event of an inhalation risk, use with local exhaust ventilation. If this is not practicable wear a half mask respirator with organic vapour cartridge and built in particulate filter (NPF 20 – gas only).
Protection of hands:	Wear gauntlet type PVC gloves.
Eye protection:	Chemical monogoggles should be worn when there is possibility of splashes, droplets, or spray occurring.
Body protection:	Standard issue work clothes, chemical resistant safety boots without lace holes.

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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PROPERTIES	PART A
APPEARANCE	Milk-white liquid
ODOR	Slight Odour
FLASH POINT	N/A
FLAMMABLE LIMITS	N/A
AUTOIGNITION TEMPERATURE	N/A
BOILING POINT	No data available
VAPOR PRESSURE	No data available
SOLUBILITY IN WATER	Complete
APPARENT SPECIFIC GRAVITY	1.00 kg/m <sup>3</sup> (25°C)
PH	No data available
VISCOSITY	100 mPa.s @ 25oC

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## 10: STABILITY AND REACTIVITY

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Stability:	Stable under normal conditions at ambient temperatures.
Conditions to be avoided:	Caustic can induce a vigorous polymerization at temperatures around 200°C.
Materials to be avoided:	Strong oxidizing agents.
Other information:	React exothermically with amines, mercaptans and Lewis acids at room temperature.

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## 11: TOXICOLOGICAL INFORMATION

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### Irritation

Skin	Moderate
Eyes	Moderate
Sensitization	Skin sensitizer in human

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## 12: ECOLOGICAL INFORMATION

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Ecotoxicity	Moderately toxic to aquatic animals, non-toxic to algae, insignificant toxicity to microorganisms.
Persistence	Not readily biodegradable. Moderate potential to bioaccumulate (log P ow in the range 3 – 5).

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## 13: DISPOSAL CONSIDERATIONS

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### Uncleaned Packaging

#### Recommendation:

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. According to EPA (40 CFR & 261), waste of this product is not defined as hazardous. Dispose of waste in accordance with all applicable local regulations.

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## 14: TRANSPORT INFORMATION

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This product is NOT classified as dangerous for transport.

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## 15: REGULATORY INFORMATION

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In accordance to occupational safety and health (Classification, Packaging and Labelling of Hazardous Chemicals) Regulation 1997:

### RISK PHRASES

**R 22:** Harmful if swallowed

**R 36:** Irritating to eyes

### RISK PHRASES

**S 25:** Avoid contact with eyes

**S 26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**S 46:** If swallowed seek medical advice immediately (show the container or label)

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## 16: OTHER INFORMATION

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The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used than for the stated application or applications without seeking advice from Denka Construction Solutions Malaysia Sdn Bhd.

If this product has been purchased to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described to this sheet and of any precautions which should be taken. This sheet does not constitute or substitute for the user's own assessment of workplace risk, as required by other health and safety legislation.

**SDS** : Estogard PU S200 - Part A  
**Date Issued** : 05/07/2023  
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