



SAFETY DATA SHEET

KisCote FPE

1 IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME KisCote FPE
APPLICATION Polyurethane Modified Waterproofing Membrane for Exposed Area
SUPPLIER Kensetsu International (S) Pte Ltd
No.7 Mandai Link #09-24
Mandai Connection
Singapore 728653
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2 HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING to REGULATION EC No. 1272/2008 CLP

Flam. Liq. 3 – H226. Resp. Sens. 1 – H334; STOT RE 2 – H373; Asp. Tox. 1 – H304. Skin Irrit. 2 – H315; Eye Irrit. 2 – H319.

LABEL IN ACCORDANCE with GHS



Danger

HAZARD STATEMENTS

H226 Flammable liquid and vapour
H315 Causes skin irritation
H319 Causes serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H373 May cause damage to organs through prolonged or repeated exposure
H304 May be fatal if swallowed and enters airways.

PRECAUTIONARY STATEMENTS

P210 Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/...
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P314 Get medical advice/attention if you feel unwell.
P331 Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.



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Additional information:

Contains isocyanates. May produce an allergic reaction.

Contains m-tolylidene diisocyanate. May produce an allergic reaction.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredients		
1. Xylene Xn R20/21-65; Xi R36/37/38 R10	CAS: 1330-20-7 EINECS: 215-535-7	12.5 - < 20%
2. m-tolylidene diisocyanate T+R26; Xn R40; Xn R42/43; Xi R36/37/38 R52/53 Carc. Cat. 3	CAS: 26471-62-5 EINECS:247-722-4	0.3 - < 1%

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

DO NOT induce vomiting. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if symptoms occur.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: seek medical attention and bring along these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

CO₂, powder or water spray. Fight larger fires with water spray.

SPECIAL HAZARDS

In case of fire, the following can be released:

Carbon dioxide (CO₂)

Carbon monoxide (CO)

PROTECTIVE MEASURES IN FIRE

Mouth respiratory protective device.

Wear fully protective suit.

ADDITIONAL INFORMATION

Collect contaminated fire fighting water separately. It must not enter the sewage system.



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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENT PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body. Avoid discharge into drains, water courses or into the ground.

SPILL CLEAN UP METHODS

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Do not flush with water or aqueous cleaning agents.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Ensure good ventilation/exhaustion at the workplace.

Put on appropriate personal protective equipment (See Section 8).

Avoid inhaling vapours.

Avoid contact with skin, eyes and clothing.

Information about fire – and explosion protection:

Keep ignition sources away – Do not smoke.

Protect against electrostatic charges.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well ventilated place. Keep away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Ingredients with limit values that require monitoring at the workplace:	
1330-20-7 Xylene	
WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
26471-62-5 m-tolyldiene diisocyanate	
WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO



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Ingredients with biological limit values:	
1330-20-7 Xylene	
BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

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

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

HAND PROTECTION

The glove material has to be impermeable and resistant to the product/ the substance/the preparation.

EYE PROTECTION

Wear approved safety goggles.

SKIN PROTECTION

Wear apron or protective clothing in case of contact.

HYGIENE MEASURES

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Vicious Liquid
COLOUR	Grey
SELF-IGNITING	Not self-igniting
DANGER OF EXPLOSION	Not explosive. However, formation of explosive air/vapour mixtures are possible.
DENSITY AT 20 °C	1.39 – 1.41 g/ml
WATER SOLUBILITY	Not miscible or difficult to mix
FLASH POINT (CLOSED, °C)	>25



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10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, sparkles, naked flame or other sources of ignition.

MATERIALS TO AVOID

No specific data.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide and carbon dioxide.

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:		
Dermal	ATEmix	9434 mg/kg (-)
Inhalative	ATEmix	35 mg/l (-)
1330-20-7 Xylene		
Dermal	LD50	> 1700 mg/kg (rabbit)
26471-62-5 m-tolyldiene diisocyanate		
Oral	LD50	4130 mg/kg (rat)
Dermal	LD50	> 9400 mg/kg (rabbit)
Inhalative	LC50/4h	0.47 mg/l (rat)

Primary irritant effect:

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through inhalation.
- **Sensitization:** Sensitization possible through skin contact.

12 ECOLOGICAL INFORMATION

TOXICITY

Aquatic toxicity:	
26471-62-5 m-tolyldiene diisocyanate	
EC50-48h	12.5 mg/l (daphnia magna)
LC50-96h	133 mg/l (Con)

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

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 CONSIDERATION

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Disposal of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

Transport only in accordance with ADR for road, RID of rail, IMDG for sea and ICAO/IATA for transport.

Land transport ADR/RID and GGVS/GGVE

ADR:

NO GOODS OF CLASS 3 according to 2.2.3.1.5 ADR and 2.3.2.5. IMDG

ADR: Containers > 450 l=UN 1866 – 3(F1) – RESIN SOLUTION, flammable

IMDG: Containers > 30 l=UN 1866 – 3(F1) - RESIN SOLUTION, flammable

Outside ADR/IMDG = UN 1866 – 3(F1) - RESIN SOLUTION, flammable

IMDG:

NO GOODS OF CLASS 3 according to 2.2.3.1.5 ADR and 2.3.2.5. IMDG

ADR: Containers > 450 l=UN 1866 – 3(F1) – RESIN SOLUTION, flammable

IMDG: Containers > 30 l=UN 1866 – 3(F1) - RESIN SOLUTION, flammable

Outside ADR/IMDG = UN 1866 – 3(F1) - RESIN SOLUTION, flammable

15 REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

The mixture classification is according to CLP Regulation 1272/2008/EC and European

Directive 99/45/EC

REACH Regulation 1907/2006/EC

Regulation 453/2010/EC

CLP Regulation 1272/2008/EC

Labelling according to Regulation (EC) No 1272/2008 Label elements in Section 2.2

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according REACH, Article 57

-It doesn't contain substances of very high concern (SVHC).

CHEMICAL SAFETY ASSESSMENT:

Not applicable

A Chemical Safety Assessment has not been carried out.



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16 OTHER INFORMATION

REVISION DATE -

REV. NO. SDS-FPE-V1

DATE 15/06/2015

DISCLAIMER

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. KENSETSU INTERNATIONAL (S) PTE LTD shall not be held liable for any damage resulting from contact with or handling of the above products.