



# SAFETY DATA SHEET

## KisCote P4

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

PRODUCT NAME	KisCote P4
APPLICATION	Torch Applied Waterproofing Membrane
SUPPLIER	Kensetsu International (S) Pte Ltd No.7 Mandai Link #09-24 Mandai Connection Singapore 728653 sales@kst-grp.com
CONTACT TELEPHONE	Phone: (65) 6255 6855 (not in use for 24hours) Fax: (65) 6255 5755

### 2 HAZARDS IDENTIFICATION

CLASSIFICATION	The product is not classified as hazardous in accordance with national regulation.
HEALTH RISK	Acute nose and throat irritation are possible during the heat treatment and application of the product, especially in indoor areas, due to the inhalation of potentially hazardous substances such as gas and condensed fumes.
SAFETY RISK	The molten product may adhere to the skin and may cause burns. The presence of inflammable materials (HC Vapours, etc.) may cause fire events.
ENVIRONMENTAL RISK	Membrane may cause long-term adverse effects because their components are Not biodegradable.

### 3 COMPOSITION/INFORMATION ON INGREDIENS

The product consists in a mixture of penetration grade bitumen and polyolefin and/ or elastomer manufactured in membrane rolls.

The product does not contain any hazardous components in accordance with the national regulations.

### 4 FIRST-AID MEASURES

#### INHALATION

In case of long-term inhalation of fumes, particularly in indoor areas, move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INGESTION

Seek immediate medical attention.

#### SKIN CONTACT

In case of skin contact with molten products, immediately flush skin with plenty of fresh water, do not pull solidified product away from the skin by using solvents. Remove contaminated clothing immediately and seek immediate medical advice.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Do not pull product away from the eye, in case of irritation by fumes wash out with cold water.



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### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

CO<sub>2</sub>, nebulized water, foam, dry chemical. Do not use direct stream of water to extinguish.

#### ADDITIONAL INFORMATION

In the event of fire, use supplied air respirators with universal filter U.P.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear appropriate protective clothing.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Put on appropriate personal protective equipment, avoid open flames.

#### STORAGE PRECAUTIONS

Protect material from heat and direct sunlight and keep away from electrical equipment. Keep rolls in vertical position and do not stack them. It is not necessary to take precautionary measure to prevent the formation of static electricity. Open flames are prohibited. Keep extinguish media available.

#### SAFE-HANDLING PRECAUTIONS

Provide appropriate ventilation when the product is applied in indoor areas.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT

During product applications, the following personal protective equipment is recommended:

Skin protection	Protective gloves, long sleeve shirts, trousers and safety shoes.
Eye protection	Safety glasses.

#### RESPIRATORY EQUIPMENT

Provide appropriate ventilation, in case of inadequate ventilation system, use a respiratory protection equipment. The use of particulate filter respirators against solid and liquid particles is recommended.

#### EXPOSURE CONTROL

Normally the product doesn't generate hazardous substances. Open flame operations involved installing bitumen-polymer waterproofing membranes may generate the dispersion of potentially hazardous substances, among which polycyclic aromatic compounds. Provide appropriate ventilation when the product is applied in indoor areas.

#### HYGIENE MEASURES

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Keep work clothes separate from the other clothing.



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#### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Membrane rolls
ODOUR	Slight bitumen odour
pH	Not applicable
BOILING POINT	> 470°C ca (bitumen)
MELTING POINT	> 100°C
FLASH POINT	> 230°C (bitumen)
AUTOIGNITION TEMPERATURE	> 485°C (bitumen)
LIPID SOLUBILITY	Yes (Organic solvents; oils)

#### 10 STABILITY AND REACTIVITY

##### STABILITY

Stable under normal temperature conditions and recommended use.

##### INCOMPATIBLE MATERIALS

Avoid contacts with oxidizing agents, especially under high temperatures, because the product may have isothermal reactions.

#### 11 TOXICOLOGICAL INFORMATION

The product consists in a mixture of distilled bitumen and polyolefin and polyolefin and/ or elastomer polymers and reinforcement. It does not contain coal tar and asbestos.

##### INFORMATION ON TOXICOLOGICAL EFFECTS

Open flame operations involved in installing bitumen-polymer waterproofing membranes may generate the dispersion of potentially hazardous substances, among which polycyclic aromatic compounds. The exposure levels to these substances are widely below the normative limits for IPA fumes in metropolitan areas.

Acute health hazards: eye irritation – skin irritation – nose and throat irritation: repeated long-term exposure needs regular medical examination, in accordance with the national regulation (D.L. 25/2002 and DLgs 81/2008 and subsequent modifications). The product should be applied in accordance with the rules of hygiene, safety and good industrial practice, according to the technical instructions provided by the manufacturer.

#### 12 ECOLOGICAL INFORMATION

##### ECOTOXICITY

No data on possible environmental effects have been found.

#### 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

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



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#### 14 TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

#### 15 REGULATORY INFORMATION

It does not need any special labelling under current regulation.

#### 16 OTHER INFORMATION

REVISION DATE -

REV. NO. SDS-P4-V1

DATE 28/06/2017

#### 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.