



SAFETY DATA SHEET

KisCote FE (Part B)

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

PRODUCT NAME KisCote FE (Part B)
APPLICATION 2 Part Water Based Epoxy Coating
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)
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2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Physical and Chemical Hazards Not classified.
Human health Skin Corrosive. 1B - H314; Eye Dam.1 - H314; Skin Sens. 1 - H317

LABEL IN ACCORDANCE with GHS



SIGNAL WORD Danger

HAZARD STATEMENTS: H314 Causes severe skin burn and eye damage.
H317 May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS

Prevention

P260 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before use.



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Disposal

P501

Dispose of content/container in accordance with local/national/international regulation

Hazards not otherwise classified
May cause sensitization by skin contact.
Harmful in contact with skin.

3 COMPOSITION/INFORMATION ON INGREDIENTS

POLYAMINE POLYMER	> 40%
TETRAETHYLENEPENTAMINE	< 5%
DILUENTS (H ₂ O)	> 20%
EXTENDER/FILLER	> 20%
PIGMENT	> 10%
ADDITIVES	< 5%

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Wash mouth with plenty of water. Do not induce vomiting. Beware of aspiration if vomiting occurs. Turn victim's head to the side. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

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.

MOST IMPORTANT

Skin disorders and allergies

SYMPTOMS/EFFECT

Acute and delayed.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical, Dry sand, Limestone powder.



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SPECIFIC HAZARDS

May generate ammonia gas. May generate toxic nitrogen oxide gas. Use of water may result in formation of very toxic aqueous solutions. Do not allow run-off from fire-fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation oxides of nitrogen (NOx) is to be expected. Downwind personnel must be evacuated. Burning produce noxious and toxic fumes.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTER

Avoid contact with the skin. Use proper personal protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

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 onto the ground.

SPILL CLEAN UP METHODS

Approach suspected leak areas with caution. Place material in appropriate chemical waste containers. Call Emergency Response number for advice.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Emergency shower and eye wash stations should be readily accessible. Adhere to workplace safety rules established by government regulations. Ensure adequate ventilation. Avoid skin contact. Maintain good standards of personal hygiene. Do not eat, drink or smoke when handling.

STORAGE PRECAUTIONS

Do not store near acid and keep away from alkalis. Keep container dry and tightly closed. Ensure adequate ventilation. Protect from heat and direct sunlight. Store in a dry, cool and well-ventilated place.

TECHNICAL MEASURES/PRECAUTIONS

Do not store in reactive metal containers.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT





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OCCUPATIONAL EXPOSURE LIMIT

Tetraethylenepentamine	Time weighted average (TWA): WEEL	1 ppm	5 mg/m ³
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ENGINEERING CONTROL MEASURES

Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

HANDS PROTECTION

Chemical resistant, impervious protective gloves are recommended.

EYE PROTECTION

Wear approved chemical resistant safety goggles.

HYGIENE MEASURES

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

SKIN PROTECTOR

Wear impervious clothing in case of contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid, Pigmented
ODOUR	Ammonia
RELATIVE DENSITY @ 20°C	1.13
WATER SOLUBILITY	Soluble
FLASH POINT (°C)	>100

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

No data available

MATERIALS TO AVOID

Sodium hypochlorite. Organic acid (i.e. acetic acid, citric acid etc.). Mineral acids. Product slowly corrodes copper, aluminium, zinc and galvanized surfaces. Incompatible with bases. Reaction with peroxide possibly creating an explosion. Amine. Reducing agents. CAUTION! N-Nitrosamines, many of which are known to be potent carcinogen, may be formed when the product comes in contact with nitrous acid, nitrites or atmosphere with high nitrous oxide concentrations. Nitrous acid and other nitrosating agents. Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Organic acid vapours, Nitric acid, Ammonia, Nitrogen oxides (NO_x), Nitrogen oxide can react with water vapours to form corrosive nitric acid. Carbon dioxide (CO₂), Carbon monoxide, Nitrosamine, Chlorine.

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Likely routes of exposure

Effects on Eye : No data available



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Effects on skin : Symptoms of over exposure may be headache, dizziness, tiredness, nausea and vomiting. Harmful in contact with skin.
Inhalation Effects : Harmful if inhaled and may cause delayed lung injury.
Ingestion Effects : No data available.
Symptoms : No data available.

Acute toxicity
Acute Oral Toxicity : No data available on the product itself.

Acute Oral Toxicity – Components

Tetraethylenepentamie LD50 : 2140mg/kg Species : Rat

Inhalation : No data available on the product itself.
Acute Dermal Toxicity : No data available on the product itself.
Skin corrosion/Irritation : No data available
Serious eye damage/eye irritation : No data available
Sensitization : Sensitization has occurred in laboratory animals after repeated exposures.

Chronic toxicity or effects from long term exposures

Carcinogenicity : No data available
Reproductive toxicity : No data available on the product itself.
Germ cell mutagenicity : Result from a battery of short term genotoxicity tests on this material or its components indicate mutagenic activity.
Specific target organ systematic toxicity (Single exposure) : No data available
Specific target organ systematic toxicity (repeated exposure) : No data available
Aspiration hazard : No data available

Delayed and immediate effects and chronic effects from short and long term exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction. Skin disorder and allergies.

12 ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS

Aquatic toxicity : EC50 (24h): > 10 mg/l Species: Daphnia magna
EC50 (48h): 1.21 mg/l Species: Daphnia magna
Toxicity to other organisms : No data available

PERSISTENCE AND DEGRADABILITY

Biodegradable : According to the results of test of biodegradability, this product is not readily biodegradable.
Mobility : No data available.
Bioaccumulation : No data available on the product itself.

13 DISPOSAL CONSIDERATION

GENERAL INFORMATION

Dispose of through an authorized waste contractor to a licensed site, be react with resin component to give an inert polymeric material



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DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

Classification for ROAD and RAIL Transport (ADR/RID):

UN Number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,
(Tetraethylenepentamine)
Class : 9
Packing group : III
Label(s) : 9
Marine Pollutant : Yes

Classification for SEA Transport (IMO/IMDG):

UN Number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,
(Tetraethylenepentamine)
Class : 9
Packing group : III
Label(s) : 9
Marine Pollutant : Yes

Classification for AIR Transport (IATA/ICAO):

UN Number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,
(Tetraethylenepentamine)
Class : 9
Packing group : III
Label(s) : 9
Marine Pollutant : Yes

15 REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA) 12(b) COMPONENT(S): None

Country	Regulatory List	Notification
USA	TSCA	Not on inventory.
EU	EINECS	Not on inventory.
Canada	DSL	Not on inventory.
Australia	AICS	Not on inventory.
Japan	ENCS	Not on inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory.
Philippines	PICCS	Not on inventory.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification

- Acute Health Hazard



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EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level

- None

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

- This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

16 OTHER INFORMATION

REVISION DATE -

REV. NO. SDS-FE-b V2

DATE 15/02/2022

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.