



SAFETY DATA SHEET

KisEpo 20 (Part B)

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

PRODUCT NAME KisEpo 20 (Part B)
APPLICATION Epoxy Resin for Injection
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

CLASSIFICATION (1999/45) Xi;R21/22. Repr. Cat. 3;R62, R63. C;R34. R43. N;R50/53

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human Health Acute Tox. 4 – H302;Acute Tox. 4 – H302;Skin Corr. 1B – H314;Skin Sens. 1 – H317;Repr. 2 – H361fd
Environment Aquatic Acute 1 – H400;Aquatic Chronic 1 – H410

LABEL IN ACCORDANCE with (EC) no. 1272/2008



SIGNAL WORD Danger

CONTAINS TETRAETHYLENEPENTAMINE

HAZARD STATEMENTS: H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361fd Suspected of damaging fertility or the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/
face protection.
P281 Use personal protective equipment as required.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing.
P308+313 IF exposed or concerned: Get medical advice/attention.



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P501 Dispose of contents/container to an approved waste disposal plant.

SUPPLEMENTARY

PRECAUTIONARY STATEMENTS

- P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P260 Do not breathe vapour/spray.
P261 Avoid breathing vapour / spray.
P264 Wash contaminated skin thoroughly after handling
P321 Specific treatment (See medical advice on this label)
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P330 Rinse mouth.
P333+313 If skin irritation or rash occurs, get medical advice/ attention.
P363 Wash contaminated clothing before use.
P391 Collect spillage.
P405 Store locked up.

3 COMPOSITION/INFORMATION ON INGREDIENTS

TETRAETHYLENEPENTAMINE CAS-No.: 112-57-2	40 – 50 %
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DIMER ACID CAS-No.: 61788-89-4	30 – 40%
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4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Do not under any circumstances induce vomiting. Obtain a medical examination immediately.

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 persist, seek medical attention and bring along these instructions.



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5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, CO₂, foam, dry chemical.

PROTECTIVE MEASURES IN FIRE

Wear full protective equipment including self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition.

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

Stop leak if possible without risk. DO NOT touch spilled material. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers and label. Flush area with dilute (5%) acetic acid and water to the residue. Wash thoroughly after dealing with a spillage. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide good ventilation.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT

Suitable respiratory protection must be used at high concentrations.

PROTECTION FOR HANDS

Rubber or plastic gloves.



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SKIN PROTECTOR

Wear apron or protective clothing in case of contact.

EYE PROTECTION

Wear approved safety goggles.

HYGIENE MEASURES

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Do not smoke in work area.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Brown liquid
VISCOSITY	100 – 500cps (25°C)
SPECIFIC GRAVITY	0.930 – 0.950
FLASH POINT	75°C (close cup)

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid placing in high-temp or sun-exposed location.

MATERIALS TO AVOID

Easy-combusted substance and strong oxide agent.

11 TOXICOLOGICAL INFORMATION

INHALATION

Not relevant at normal room temperatures. When heated, toxic vapours may be formed.

INGESTION

May cause discomfort if swallowed. Irritating. May be absorbed in the body and cause dizziness, nausea and vomiting

SKIN CONTACT

Prolonged or repeated exposure may cause severe irritation.

EYE CONTACT

Irritation of eyes and mucous membranes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

BIOACCUMULATION

No data available on bioaccumulation.



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DEGRADABILITY

The product is not readily biodegradable.

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



PROPER SHIPPING NAME	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
UN NO. ROAD	3267
ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80
ADR LABEL NO.	8
HAZCHEM CODE	2X
UN NO. SEA	3267
IMDG CLASS	8
IMDG PACK GR.	III
EMS	F-A, S-B
UN NO. AIR	3267
AIR CLASS	8
AIR PACK GR.	III

15 REGULATORY INFORMATION

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

ENVIRONMENT LISTING

Control of Pollution Act 1974. Rivers (Prevention of Pollution) Act 1961.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals



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Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716). Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classified and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

CHIP for everyone HSG (108)

16 REGULATORY INFORMATION

REVISION DATE

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REV. NO. SDS-Epo20-b-V1

DATE 22/02/2016

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.