



SAFETY DATA SHEET

KisEpo 20 (Part A)

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

PRODUCT NAME KisEpo 20 (Part A)
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)
Fax: (65) 6255 5755

2 HAZARDS IDENTIFICATION

CLASSIFICATION IN ACCORDANCE with GHS

Skin Corrosion/Irritation – Category 3
Serious Eye Damage/Eye Irritation – Category 2B
Skin Sensitizer – Category 1

LABEL IN ACCORDANCE with GHS



SIGNAL WORD Warning

CONTAINS BISPHENOL A TYPE EPOXY RESIN (Number average MW < 700)

HAZARD STATEMENTS:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.
P501 Dispose of contents/container to an approved waste disposal plant.

SUPPLEMENTARY

PRECAUTIONARY STATEMENTS
P272 Contaminated work clothing should not be allowed out of the workplace.
P261 Avoid breathing vapour / spray.
P264 Wash contaminated skin thoroughly after handling
P321 Specific treatment (See medical advice on this label)
P302+352 IF ON SKIN: Wash with plenty of soap and water.



SAFETY DATA SHEET

KisEpo 20 (Part A)

| | |
|----------|---|
| P332+313 | If skin irritation occurs, get medical advice/ attention. |
| P333+313 | If skin irritation or rash occurs, get medical advice/ attention. |
| P337 | If eye irritation persist: |
| P362 | Take off contaminated clothing and wash before use. |
| P363 | Wash contaminated clothing before use. |
| P391 | Collect spillage |

SUPPLEMENTAL LABEL INFORMATION (EU) EUH 205 Contains epoxy constituents. May produce an allergic reaction.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|---|------------------|
| BISPHENOL A TYPE EPOXY RESIN (Number Average MX < 700) | 60 – 100% |
| Cas-No: 25068-38-6 | EC No. 500-033-5 |
| C ₁₂ -C ₁₄ aliphatic glycidyl ether | 0 – 20% |
| Cas-No. 68609-97-2 | |

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.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Foam, dry powder, carbon dioxide, water spray jet.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid high pressure water jet.

PROTECTIVE MEASURES IN FIRE

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. Do not smoke. Keep away from sources of ignition.



SAFETY DATA SHEET

KisEpo 20 (Part A)

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

Absorb with sand or other inert absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame.

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

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

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

RESPIRATORY EQUIPMENT

Suitable breathing mask when there is inadequate ventilation.

PROTECTION FOR HANDS

Use protective gloves that provides comprehensive protection.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------|------------------------------|
| APPEARANCE | Liquid |
| COLOUR | Yellowish |
| RELATIVE DENSITY | 1.10g/cm ³ (20°C) |
| FLASH POINT | > 200°C (close cup) |



SAFETY DATA SHEET

KisEpo 20 (Part A)

| | |
|---------------|--------------------------------|
| BOILING POINT | > 200°C |
| SOLUBILITY | Practically insoluble in water |
| VISCOSITY | 600 ~ 900cps (25°C) |

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid static electricity discharge.

MATERIALS TO AVOID

Strong acids, strong base, strong oxidizer and amines.

HAZARDOUS DECOMPOSITION PRODUCTS

In fire toxic fumes may be generated.

11 TOXICOLOGICAL INFORMATION

INGESTION

Acute oral toxicity: has not been determined.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

No data on possible environmental effects have been found.

BIOACCUMULATION

No data available on bioaccumulation.

BIOLOGICAL 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.



SAFETY DATA SHEET

KisEpo 20 (Part A)

14 TRANSPORT INFORMATION

GENERAL

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

EU Regulation (67/548/EEC)

Hazard labels : Xi Irritant

R-phrases : R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.

S-phrases : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water and soap.

S37/39 wear suitable gloves and eye/face protection.

16 REGULATORY INFORMATION

REVISION DATE -

REV. NO. SDS-Epo20-a-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.