



SAFETY DATA SHEET

KisEpo 30W (Part B)

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

PRODUCT NAME KisEpo 30W (Part B)
APPLICATION Underwater Epoxy Resin for Injection
SUPPLIER Kensetsu International (S) Pte Ltd
No.7 Mandai Link #09-24
Mandai Connection
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2 HAZARDS IDENTIFICATION

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human Health Acute Tox. 4 – H302;Skin Corr. 1B – H314;Skin Sens. 1 – H317
Environment Not classified.

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



SIGNAL WORD Danger

CONTAINS MODIFIED ALIPHATIC POLYAMINE

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.

PRECAUTIONARY STATEMENTS P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
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.
P501 Dispose of contents/container to an approved waste disposal plant.



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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.
	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.
	P333+313	If skin irritation or rash occurs, get medical advice/ attention.
	P363	Wash contaminated clothing before use.
	P391	Collect spillage.
	P402 + P404	Store in a dry place. Store in a closed container.

3 COMPOSITION/INFORMATION ON INGREDIENTS

MODIFIED ALIPHATIC POLYAMINE	90 – 95 %
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4 FIRST-AID MEASURES

GENERAL ADVICE

Seek medical advice. If breathing stopped or is laboured, give assisted respirations

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, continue flushing and seek medical attention and bring along these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Foam, dry powder, carbon dioxide

PROTECTIVE MEASURES IN FIRE

Wear full protective equipment including self-contained breathing apparatus if necessary



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OTHER INFORMATION

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulation. Do not allow run-off from firefighting to enter drains or water courses

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 appropriate chemical waste 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.

Avoid using sodium nitrite or other nitrosating agents in formulations with this product. Suspected cancer-causing nitrosamines could be formed.

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

Wear suitable protective gloves.

SKIN PROTECTOR

Wear apron or protective clothing in case of contact.



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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	350 – 550cPs (25°C)
SPECIFIC GRAVITY	1.000 – 1.200
FLASH POINT	100°C – 250°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 acid, strong oxidizer, sodium hypochlorite, reactive metals, nitrosamine

HAZARDOUS DECOMPOSITION PRODUCTS

In fire toxic fumes may be generated.

11 TOXICOLOGICAL INFORMATION

INHALATION

Not relevant at normal room temperatures. When heated, toxic vapours may be formed. Inhalation of aerosol may cause irritation to the upper respiratory tract, in high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Can cause severe eye, skin and respiratory tract burns. Severe cases of overexposure can result in repertory failure.

INGESTION

May cause discomfort if swallowed with severe burns of the mouth and throat. May be absorbed in the body and cause dizziness, nausea and vomiting

SKIN CONTACT

Prolonged or repeated exposure may cause severe irritation. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

EYE CONTACT

Irritation of eyes and mucous membranes and may cause blindness. Vapors can cause corneal edema when absorbed into the tissue of the eye from the atmosphere. Corneal edema may give rise to a perception of 'blue haze' or 'fog' around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect.



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ACUTE TOXICITY

Oral LD50	LD50 Oral (rat) >1230mg/kg
Inhalation LC50 (4H)	LC50 Inhalation (rat) >4.178 mg/l
Dermal LD50	LD50 Dermal (rabbit) 1465 mg/kg
Severe skin irritation	
Severe eye irritation	

Dermal sensitization: Dermal sensitization has been seen in some humans to this product or component

Skin sensitization: Mild skin sensitization have been found in Guinea pigs after repeated exposures to component of this product

Carcinogenicity: No data available

Reproductive toxicity: No data available

Germ cell mutagenicity: Mutagenic in a bacterial assay. This product or a component did not cause chromosome damage in an in vivo micronucleus assay.

Carcinogenicity: No data available

Specific target organ toxicity (Single Exposure): No data available

Specific target organ toxicity (Repeated Exposure): No data available

Aspiration hazard: No data available

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Toxicity to fish: LC50 (96H) 240 mg/l (Rainbow trout)

Toxicity to daphnia and other aquatic invertebrates: EC0 (72H) 750 mg/l (Mud crab)

Toxicity to algae: EC50 (72H) 84 mg/l (Scenedesmus)

BIOACCUMULATION

No data available on bioaccumulation.

DEGRADABILITY

No data is available on degradability

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. Not allowed to enter drains, water courses or the soil

DISPOSAL METHODS

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

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.



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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.

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 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-Epo30W-b-V3

DATE 09/07/2021

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.