

SAFETY DATA SHEET

Epiform K-8720 B

Date issued: 08/Jan./97 Date revised: 01/Jan./20

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Epiform K-8720 B
 CHEMICAL FAMILY : Epoxy resin hardener
 MANUFACTURER : Somar Corporation ; 19-1, Inari 5-Chome,Soka,
 Saitama, 340-0003, Japan
 EMERGENCY PHONE : +81-48-931-1515 (JAPAN) QAC Department

2. HAZARDS IDENTIFICATION

【GHS CLASSIFICATION】

HEALTH HAZARDS	: Acute toxicity (Inhalation)	Category 4
	: Acute toxicity (Oral)	Category 4
	: Acute toxicity (Dermal)	Category 4
	: Serious eye damage/Eye irritation	Category 1
	: Skin sensitization	Category 1
	: Germ cell mutagenicity	Category 2
	: Carcinogenicity	Category 1B
	: Specific Target Organ Systemic Toxicity (Single Exposure)	Category 1
	: Specific Target Organ Systemic Toxicity (Repeated Exposure)	Category 2
	ENVIRONMENTAL HAZARDS	: Hazardous to the aquatic environment (Acute toxicity)
: Hazardous to the aquatic environment (Chronic toxicity)		Category 2

*Not applicable or Not Classifiable items other than above.

【GHS LABEL ELEMENTS】 :



【SIGNAL WORD】

: Danger.

【HAZARD STATEMENT】

: H302: Harmful if swallowed
 H312: Harmful in contact with skin
 H317: May cause an allergic skin reaction
 H318: Causes serious eye damage
 H331: Toxic if inhaled
 H341: Suspected of causing genetic defects
 H350: May cause cancer
 H370: Causes damage to organs
 H373: May cause damage to organs through prolonged or repeated exposure
 H402: Harmful to aquatic life
 H411: Toxic to aquatic life with long lasting effects

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【PRECAUTIONARY STATEMENTS】**PREVENTION**

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P260: Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264: Wash hands thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 : P273: Avoid release to the environment.

FIRST-AID MEASURES

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 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 or doctor/physician.
 P330: Rinse mouth.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P363: Wash contaminated clothing before reuse.

STORAGE

P391: Collect spillage.

DISPOSAL

P405: Store locked up.

P501: Dispose of contents / container in accordance with local / regional / national / international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE

: Mixture

Hazardous Ingredients	% by wt	
4,4'-Diaminodiphenylmethane(4,4'-Methylenedianiline)	15	25
Benzylalcohol	45	55

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4. FIRST AID MEASURES

- INHALATION : Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.
- INGESTION : Do not induce vomiting and get medical attention.
- SKIN CONTACT : Wash thoroughly with neutral soap and water.
- EYE CONTACT : Flush eyes with large amounts of water and lose no time to see an eye specialist.

5. FIRE FIGHTING MEASURES

- HAZARDOUS : Carbon monoxide possible where incomplete
DECOMPOSITION PRODUCTS combustion occurs.
- EXTINGUISHING MEDIA : Foam, Carbon dioxide, Dry chemicals
- FIRE FIGHTING EQUIPMENT : Wear full bunker gear including a
self-contained breathing apparatus
(SCBA)
- FIRE FIGHTING : Shut off fuel to fire and extinguish with
foam or dry chemical.
- INSTRUCTIONS : Water may be used to keep fire exposed
container cool.

6. ACCIDENTAL RELEASE MEASURES

- LEAKS AND SPILLS : Eliminate source of ignition. Keep public away.
Prevent additional discharge of material, if
possible to do so without hazard. Prevent spills
from entering sewers, watercourses or low area
Small spill — mop up, wipe up or soak up with
absorbent material and scoop into drums.
Large spill — dike and recover by pumping(use
an explosion proof motor) , or by using a suitable
absorbent.
- PERSONAL PROTECTION : See Section 8.

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7. HANDLING AND STORAGE

- HANDLING** : DO NOT. handle near an open flame, sources of heat, or sources of ignition.
Use with an appropriate local exhaust ventilation for work areas and heat curing areas.
Handle and open containers with care.
Avoid prolonged or frequently repeated skin contact.
Wear goggles gloves and respirators.
Wash skin and gargle with large amount of water after handling.
- STORAGE** : Keep container closed.
Store in a cool and in the dark, away from incompatible materials.
(See Stability and Reactivity Section 10.)
Keep away container from direct sunlight, heat, moisture and fire source

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- SKIN PROTECTION** : Wear long sleeved working clothes, rubber gloves, an apron and arm covers for protection.
- EYE PROTECTION** : Be sure to wear safety glasses with side shields.
- RESPIRATORY PROTECTION** : Wear an approved air-purifying respirator.
- ENGINEERING CONTROLS** : Provide general and local exhaust ventilation to control airborne levels below the exposure guidelines.
Use explosion-proof equipment.
Take precautionary measures against static discharges.
- EXPOSURE GUIDELINE** : None established for Epiform K-8720 B.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Dark brown liquid
- ODOR** : Amine Odor
- SPECIFIC GRAVITY (25°C)** : 1.13
- SOLUBILITY (in water)** : Insoluble
- FLASH POINT** : >103°C

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10. STABILITY AND REACTIVITY

GENERAL	:	This product is stable and hazardous polymerization will not occur during proper industrial handling.
INCOMPATIBLE MATERIALS	:	Strong oxidizing agents.
REACTIVITY	:	Strong oxidizing agents, Strong reducing agents, Lewis acids, Lewis bases, Epoxy resins.
DECOMPOSITION PRODUCTS	:	Burning can produce CO and / CO ₂ , Amin, Aldehydes and other organic substance.

11. TOXICOLOGICAL INFORMATION

• Acute Toxicity (Oral) LD ₅₀	:	>500mg/kg (rat) (estimated value)
• Acute Toxicity (Dermal)	:	>1000mg/kg (rabbit) (estimated value)
• Serious eye damage/Eye irritation	:	Category 1
• Skin sensitization	:	Category 1
• Germ cell mutagenicity	:	Category 2
• Carcinogenicity	:	Category 1B
• Specific Target Organ Systemic Toxicity (Single Exposure)	:	Category 1
• Specific Target Organ Systemic Toxicity (Repeated Exposure)	:	Category 2

12. ECOLOGICAL INFORMATION

• Hazardous to the Aquatic Environment Acute Hazard	:	Category 3
• Hazardous to the Aquatic Environment Chronic Hazard	:	Category 2

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13. DISPOSAL CONSIDERATIONS

Incinerate soaked absorbent or dispose in conformity with local disposal regulations. The material should not be disposed of in any type of effluent.

14. TRANSPORT INFORMATION

UN (IMO,IATA/CAO)NUMBER : 3082
UN CLASS/PACKING GROUP : 9/III
UN PROPER SHIPPING NAME : Environmentally Hazardous Substance, Liquid, N.O.S
(Methylenedianiline oligomers)

- Keep away from heat and any sources of ignition.
- Transport in conformity with local regulations.

15. REGULATORY INFORMATION

Contact local authorities to determine if there may be other local reporting requirements.

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