

SAFETY DATA SHEET

Epiform K-8720 A

Date issued: 8/JAN/97 Date revised: 31/JUL/15

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Epiform K-8720 A
 CHEMICAL FAMILY : Epoxy resin compound
 MANUFACTURER : Somar Corporation ; 19-1, Inari 5-Chome,Soka,
 Saitama, 340-0003, Japan
 EMERGENCY PHONE : +81-48-931-1513 (JAPAN) Technical Department

2. HAZARDS IDENTIFICATION

【GHS CLASSIFICATION】

HEALTH HAZARDS	: Flammable liquids	Not Classified
	: Acute toxicity (Oral)	Not Classified
	: Skin corrosion/irritation	Category 2
	: Serious eye damage/eye irritation	Category 2B
	: Skin sensitization	Category 1
ENVIRONMENTAL HAZARDS	: Hazardous to the aquatic environment (Acute toxicity)	Category 2
	: Hazardous to the aquatic environment (Chronic toxicity)	Category 2

*Not applicable or Not Classifiable items other than above.

【GHS LABEL ELEMENTS】 :



【SIGNAL WORD】 : Warning.

【HAZARD STATEMENT】 :

- Causes skin irritation
- May cause an allergic skin reaction
- Causes eye irritation
- Toxic to aquatic life
- Toxic to aquatic life with long lasting effects

【PRECAUTIONARY STATEMENTS】

PREVENTION :

- Wear protective gloves
- Avoid release to the environment
- Wash hands thoroughly after handling
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid breathing dust/fume/gas/mist/vapours/spray

FIRST-AID MEASURES :

- Wash contaminated clothing before reuse
- Collect spillage
- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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If eye irritation persists: Get medical advice/attention.

DISPOSAL

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE

: Mixture

Hazardous Ingredients	% by wt		
Bis-phenol A type of liquid epoxy resin	30	-	40
Carbon Black	0.1	-	1
Normal-Butyl-2,3-epoxypropylether (Buthyl glycidyl ether)	0.1	-	1

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 DECOMPOSITION PRODUCTS : Carbon monoxide possible where incomplete 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

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- 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.

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

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- 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 A.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE : Black liquid
- ODOR : Characteristic Odor
- SPECIFIC GRAVITY (25°C) : 1.55
- SOLUBILITY (in water) : Insoluble
- VOLATILE (% by wt.) : <1.0
- FLASH POINT : >188°C

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 lewis acids, Alkali, Amines.
- DECOMPOSITION PRODUCTS : Burning can produce CO and / CO₂, Aldehydes and other organic substance.

11. TOXICOLOGICAL INFORMATION

•Acute Toxicity (Oral) LD₅₀

Bis-phenol A type of liquid epoxy resin	:	11,400mg/kg	(rat)
Carbon Black	:	15,400mg/kg	(rat)
Normal-Butyl-2,3-epoxypropylether	:	2,056mg/kg	(rat)

•Skin corrosion/irritation

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|---|---|----------------|
| Bis-phenol A type of liquid epoxy resin | : | Category 2 |
| Normal-Butyl-2,3-epoxypropylether | | Category 2 |
| •Serious eye damage/eye irritation | | |
| Bis-phenol A type of liquid epoxy resin | | Category 2B |
| Normal-Butyl-2,3-epoxypropylether | : | Category 2A-2B |
| •Skin Sensitization | | |
| Bis-phenol A type of liquid epoxy resin | : | Category 1 |
| Normal-Butyl-2,3-epoxypropylether | | Category 1 |
- *No data as the mixture.

12. ECOLOGICAL INFORMATION

- Hazardous to the Aquatic Environment Acute Hazard

Bis-phenol A type of liquid epoxy resin	:	Category 2
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- Hazardous to the Aquatic Environment Chronic Hazard

Bis-phenol A type of liquid epoxy resin	:	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 (Epoxy Resin) |
- Keep away from heat and any sources of ignition.
 - Transport in conformity with local regulations.

15. REGULATORY INFORMATION

TSCA : All components are listed on TSCA Inventory.

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

16. OTHER INFORMATION

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INFORMATION CONTACT

MANUFACTURER : Somar Corporation
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