

SAFETY DATA SHEET

Epiform E-530

Date issued: 18/Jun/07

Date revised: 19/Dec./18

Page 1 of 5

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Epiform E-530
 CHEMICAL FAMILY : Epoxy resin compound.
 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】

PHYSICAL HAZARDS	: Flammable Liquids	Not Classified
HEALTH HAZARDS	: Acute Toxicity (Oral)	Category 4
	Acute Toxicity (Dermal)	Not Classified
	Acute Toxicity (Inhalation)	Category 3
	Skin Corrosion/Irritation	Category 2
	Serious Eye Damage/Eye Irritation	Category 1
	Respiratory Sensitization	Category 1
	Skin Sensitization	Category 1
	Germ cell mutagenicity	Not Classified
	Reproductive toxicity	Not Classified
ENVIRONMENTAL HAZARDS	: Hazardous to the Aquatic Environment	Category 2
	Acute Hazard	
	Hazardous to the Aquatic Environment	Category 2
	Chronic Hazard	

*Not applicable or Not Classifiable items other than above.

【GHS LABEL ELEMENTS】 :



【SIGNAL WORD】 : Danger

【HAZARD STATEMENT】 : H302:Harmful if swallowed
 H315:Causes skin irritation
 H317:May cause an allergic skin reaction
 H318:Causes serious eye damage
 H331:Toxic if inhaled
 H334:May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H401:Toxic to aquatic life
 H411:Toxic to aquatic life with long lasting effects

【PRECAUTIONARY STATEMENTS】

PREVENTION : P260:Do not breathe dust/fume/gas/mist/vapors/spray.
 P264:Wash hand 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.

SAFETY DATA SHEET

Epiform E-530

Date issued: 18/Jun/07

Date revised: 19/Dec./18

Page 2 of 5

- P273: Avoid release to the environment.
 P280: Wear protective gloves/eye protection/face protection.
 P285: In case of inadequate ventilation, wear respiratory protection.
- FIRST-AID MEASURES** :
- 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.
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 P362: Take off contaminated clothing and wash before reuse.
- STORAGE** :
- P391: Collect spillage.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- DISPOSAL** :
- P405: Store locked up.
 P501: Dispose of contents/container to follow in accordance with local/regional/national/international regulation (to be specified).

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE : Mixture

Hazardous Ingredients	% by wt		
Bis-phenol A type of Epoxy resin	50	-	60
Alicyclic acid anhydride	40	-	50

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).

SAFETY DATA SHEET

Epiform E-530

Date issued: 18/Jun/07

Date revised: 19/Dec./18

Page 3 of 5

- 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.
Mop up, wipe up and discard.
- PERSONAL PROTECTION : See Section 8.

7. HANDLING AND STORAGE

- HANDLING : DO NOT. Handle near an open flame 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 E-530.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE : Light yellow liquid
- ODOR : Characteristic odor
- SPECIFIC GRAVITY (25°C) : 1.2
- SOLUBILITY (in water) : Insoluble
- FLASH POINT : >150°C

SAFETY DATA SHEET

Epiform E-530

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Date revised: 19/Dec./18

Page 4 of 5

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 / CO ₂ , Aldehydes and other organic substance.

11. TOXICOLOGICAL INFORMATION

• Acute Toxicity (Oral)	
Bis-phenol A type of Epoxy resin	: 11,400mg/kg (rat)
Alicyclic acid anhydride	: 500mg/kg (rat)
• Acute Toxicity (dermal)	
Bis-phenol A type of Epoxy resin	: >23,000mg/kg (rat)
Alicyclic acid anhydride	: 4,920mg/kg (rat)
• Acute Toxicity (Inhalation)	
Alicyclic acid anhydride	: vapour:3mg/L aerosol:0.5mg/L (4h/Rat)
• Skin Corrosion/Irritation	
Bis-phenol A type of Epoxy resin	: Category 2
Alicyclic acid anhydride	: Category 2
• Serious Eye Damage/Eye Irritation	
Bis-phenol A type of Epoxy resin	: Category 2B
Alicyclic acid anhydride	: Category 1
• Respiratory Sensitization	
Alicyclic acid anhydride	: Category 1
• Skin Sensitization	
Bis-phenol A type of Epoxy resin	: Category 1
• Germ cell mutagenicity	
Bis-phenol A type of Epoxy resin	: Not classified
• Reproductive toxicity	
Bis-phenol A type of Epoxy resin	: Not classified

*No data as the mixture.

12. ECOLOGICAL INFORMATION

• Hazardous to the Aquatic Environment Acute Hazard	
Bis-phenol A type of Epoxy resin	: Category 2
Alicyclic acid anhydride	: Not classified
• Hazardous to the Aquatic Environment Chronic Hazard	
Bis-phenol A type of Epoxy resin	: Category 2

SAFETY DATA SHEET

Epiform E-530

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Page 5 of 5

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 : 2810
UN CLASS/PACKING GROUP : 6.1/III
UN PROPER SHIPPING NAME : Toxic liquids, organic, n.o.s.
•Transport in conformity with local regulations.

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

INFORMATION CONTACT

MANUFACTURER : Somar Corporation
ADDRESS : 19-1, Inari 5-Chome, Soka, Saitama, 340-0003, Japan
PHONE : +81-48-931-1515

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