



E340 QUICK SETTING EPOXY RESIN

01

1.1. Product Identifier:

Product Trade Name: E340 QUICK SETTING EPOXY RESIN

1.2. Relevant Identified Uses of the Mixture and Uses Advised Against:

Product Use: Epoxy resin

1.3. Details of the Supplier of the Safety Data Sheet:

Company : Akkim Yapı Kimyasalları San. Tic. ve A.Ş.

Address : Yeşilbayır Mah. Şimşir Sk. No: 22 34555 Hadımköy İstanbul –TÜRKİYE

Telephone/Fax Number: Tel.: +90 212 771 13 71/Fax: +90 212 771 38 88

Mail/Web : support@akfix.com/info@akfix.com/www.akfix.com

1.4. Emergency Telephone Number: +90 212 771 13 71-on weekdays 08:00am-5:00pm

02 HAZARDS IDENTIFICATION

2.1. Classification of the Mixture

2.1.1. Classification According to Regulation (EC) No 1272/2008 (CLP/GHS)

Skin Corrosion/Irritation, Category 2, H315.

Skin Sensitization, Category 1, H317.

Serious Eye Damage/Irritation, Category 2A, H319.

Hazardous to the Aquatic Environment, Chronic Category 2, H411.

2.2. Label Elements

Labelling According to Regulation (EC) No 1272/2008 (CLP/GHS)

Signal Word: Warning

Pictograms or Hazard Symbols



2.2.1. Hazard Statements

H315-Causes skin irritation.

H317-May cause an allergic skin reaction.

H319-Causes serious eye irritation.

H411-Toxic to aquatic life with long lasting effects.

2.2.2. Precautionary Statements

2.2.2.1. Prevention

P273-Avoid release to the environment.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

2.2.2.2. Response

P302+352-IF ON SKIN: Wash with plenty of water and soap.



P332+313-If skin irritation occurs: Get medical advice/attention.
 P305+351+338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
 P362+364-Take off contaminated clothing and wash it before reuse.

2.2.2.3. Disposal

P501-Dispose of contents/container through a waste management company authorized by the local government.

2.3. Other Hazards

2.3.1. Physical Hazards

Not applicable.

2.3.2. Health Hazards

Skin Corrosion/Irritation, Category 2.

Skin Sensitization, Category 1.

Serious Eye Damage/Irritation, Category 2A.

2.3.3. Environmental Hazards

Hazardous to the Aquatic Environment,Chronic Category 2.

2.4. Information Concerning Particular Hazards for Human and Environment

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

2.5. Additional Informations

Please look over section 11 for toxicological information. Full text of H- and EUH- phrases: See section 16.

03 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS No.	EC Number	Conc. (% w/w)	Classification Regulation CLP
Reaction product: Bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5	100	H315, H317, H319, H411

04 FIRST AID MEASURES

4.1. Description of First Aid Measures:

General Advice: Take off contaminated work clothing immediately. If you feel unwell, seek medical advice.

If Inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Incase of Skin Contact: Immediately remove contaminated clothing or shoes, wash skin with plenty of water for at least 15 minutes. Use soap if readily available, or follow by thoroughly washing soap and water. Do not reuse clothing until thoroughly decontaminated.

Incase Eye Contact: Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Consult a physician if signs of irritation appear.

If Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2. Important Symptoms and Effects of Both Acute and Delayed: No data available.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed: No data available.



05 FIRE FIGHTING MEASURES

5.1. Extinguishing Media:

-Suitable Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

-Unsuitable Extinguishing Media: None known.

5.2. Special Hazards Arising From the Mixture: Nature of decomposition products not known.

5.3. Advice for Firefighters: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks. Isolate from heat, electrical equipment, sparks and opened flame. Wear self-contained breathing apparatus.

06 ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

6.2. Environmental Precautions: Do not allow to escape into waterways, wastewater or soil. Discharge into the environment must be avoided.

6.3. Methods and Materials for Containment and Cleaning Up: Collect spillage. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4. Reference to Other Sections: See section: 7, 8, 11, 12 and 13.

07 HANDLING AND STORAGE

7.1. Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash your hands thoroughly after handling. Avoid breathing vapors. Use only with adequate ventilation.

7.2. Conditions for Safe Storage, Including Any Incompatibilities: Keep container tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific End Use(s): No data available.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure Controls:

8.2.1. Engineering Controls: Use local exhaust or general dilution ventilation system.

8.2.2. Personal Protective Equipments:

Eye Protection: Safety glasses with side shields or chemical splash goggles.

Skin Protection: Wear suitable protective clothing.

Hand Protection: Butyl rubber/nitrile rubber gloves.

Respiratory Protection: Use appropriate respiratory protective device in case of insufficient ventilation.

8.2.3. Environmental Exposure Controls: Do not flush into sanitary sewer systems/ surface water or ground water.



09 PHYSICAL AND CHEMICAL PROPERTIES

9.1. General Information:

Appearance: Liquid

Colour: Clear, pale yellow

Odour: Ketone like odour

Odour Threshold: No data available.

Ph: 6-8

Melting/Freezing Point: No data available.

Boiling Point/Boiling Range: 204,4 °C

Flash Point: 254,4 °C

Evaporation Rate: No data available.

Flammability: Not flammable.

Explosion Lower/Upper Limits: No data available.

Vapour Pressure: 0,1 mmHg at 25°C.

Viscosity: 11500-13500 cps at 25°C.

Density: 1,17 g/cm³

Bulk Density: No data available.

Solubility: Immiscible in water.

Partition Coefficient:n-octanol/water: log Pow: 2,8

Auto-Ignition Temperature: No data available.

Decomposition Temperature: No data available.

Flow Time: No data available.

Explosive Properties: Not explosive.

Oxidising Properties: Not oxidizing.

9.2. Other Informations: No data available.

10 STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical Stability: The product is chemically stable under normal usage conditions.

10.3. Possibility of Hazardous Reactions: No hazardous reactions known.

10.4. Conditions to Avoid: No data available.

10.5. Incompatible Materials: Strong oxidizing agents, acids, amines, bases.

10.6. Hazardous Decomposition Products: May produce hazardous carbon oxides, chloro hydrogen.

11 TOXICOLOGICAL INFORMATIONS

11.1. Information on Toxicological Effects:

Acute Toxicity (oral/inhalation/dermal):

Acute toxicity values:

Epoxy resin (CAS No: 25068-38-6)

LD50 (Oral): >11500 mg/kg-Rat

LD50 (Dermal): >20000 mg/m³-Rabbit (4h)



11.2. Primary Irritant Effects:

If Inhaled: May be harmful if inhaled. Causes respiratory tract irritation.
If Swallowed: May be harmful if swallowed.
On the Eye: Causes serious eye irritation.
On the Skin: May be harmful if absorbed through skin. Causes skin irritation.

12 ECOLOGICAL INFORMATION

12.1. Toxicity:

Epoxy resin (CAS No: 25068-38-6)

LC50: 1,41 mg/l-Fish (96h)

LC50: 1,7 mg/l- Crustecia (48h)

EC50: N.A Aquatic plants (96h)

12.2. Persistence and Degradability:

Persistence : log Kow 2.281

Biodegradability: According to the results of tests of biodegradability this product is not readily biodegradable.

12.3. Bioaccumulative Potential: BCF: 5,6 (Exposure concentration: 1ug/L)

12.4. Mobility in Soil: No data available.

12.5. Results of PBT and vPvB Assessment: No data available.

12.6. Other Adverse Effects: The product should not be allowed to enter drains, water courses or the soil.

13 DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods: Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14 TRANSPORT INFORMATION

14.1. UN Number:

ADR/RID: 3082 IMDG: 3082 IATA: 3082

14.2. Proper UN Shipping Name:

ADR/RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport Hazard Class(es):

ADR/RID: 9 IMDG: 9 IATA: 9

14.4. Packing Group:

ADR/RID: III IMDG: III IATA: III

14.5. Environmental Hazard:

ADR/RID: Yes

IMDG Marine Pollutant: No

IATA: Yes

14.6. Special Precautions for User:

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.



15 REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations Specific for the Preparations

- Regulation (EC) No 1907/2006, (REACH)
- Regulation (EC) No 1272/2008, (CLP)
- ADR-European Agreement Concerning the International Carriage of Dangerous Goods by Road

16 OTHER INFORMATION

16.1. Indication of Changes to the Previous Version

Date Prepared: 01.03.2013

Revision Date: 17.03.2015

Revision No: 2.2

16.2. Abbreviations and Acronyms

CLP: Classification, labelling and packaging.

GHS: Globally harmonized system of classification and labelling of chemicals.

ADR: European agreement concerning the Int. carriage of dangerous goods by road.

IATA: International air transport association.

ICAO: International civil aviation organization.

IMDG: International maritime code for dangerous goods.

CAS No: Chemical abstract service index number.

EC50: Half maximal effective concentration.

LC50: Median lethal concentration.

LD50: Median lethal dose.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

16.3. Further Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. The company supplying entity shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

Department issuing SDS: Product safety department.