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Revision Number 7

**1. Identification of the Substance/Preparation and of the Company/Undertaking**

**Product identifier**

**Product Name** KEY EC1055A

**Other means of identification**

**Product Code(s)** EC1055A

**UN/ID no.** UN3082

**Document** Floor Restore Part A

None

Epoxy A side. FOR INDUSTRIAL USE ONLY.

Restrictions on use: Do not use this product for any use other than intended

**Manufacturer Address**

Key Polymer Holdings, LLC

17 Shepard Street

Lawrence, MA 01843, USA

**Company Phone Number**

978-683-9411 (8AM - 5PM EST) (M-F)

**Emergency Telephone**

Chemtrec 1-800-424-9300 (24 Hours) CCN 12410

**Chemtrec International Phone**

+1 703-527-3887

**2. Hazards Identification**

**Classification**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS). This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

**Emergency Overview**

**WARNING**

**Hazard statements**

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

**Appearance** Clear Colorless**Physical state** Liquid**Odor** Mild**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves, protective clothing, eye protection, face protection  
 Avoid breathing dust, fumes, or vapors  
 Contaminated work clothing should not be allowed out of the workplace

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

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

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

**Hazards Not Otherwise Classified (HNOC)**

Not applicable

**Other Information**

Toxic to aquatic life with long lasting effects

### 3. Composition/Information on Ingredients

**Substance**

Not applicable

Chemical name	CAS No.	Weight-%	Trade secret
Bisphenol A diglycidyl ether resin	25068-38-6	70 - 80	*
Proprietary epoxy resin	Proprietary	5 - 10	*
Distillates (petroleum) hydrotreated light	64742-47-8	0.1-1	*

\* The exact percentage (concentration) of composition may have been withheld as a trade secret.

### 4. First Aid Measures

**Description of first aid measures****General advice**

Use first aid treatment according to the nature of the injury. For further assistance, contact your local Poison Control Center. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
<b>Ingestion</b>	Not an expected route of exposure. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
<b>Self-protection of the first aider</b>	First Aider: Pay attention to self-protection. Use personal protective equipment as required.

#### **Most important symptoms and effects, both acute and delayed**

**Symptoms** Itching. Rashes. Burning sensation.

#### **Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

### **5. Fire-Fighting Measures**

#### **Suitable Extinguishing Media**

Use CO<sub>2</sub>, dry chemical, or foam

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

#### **Specific hazards arising from the chemical**

Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water ways. Dike for water control.

#### **Hazardous combustion products**

Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See Section 10 Hazardous Decomposition Products for additional information.

#### **Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **6. Accidental Release Measures**

#### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas. Extremely slippery when spilled. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

**Other Information** Use personal protective equipment as required.

**For Emergency Responders** Use personal protective equipment as required.

#### **Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information. Do not allow into any sewer, on the ground or into any body of water.

#### **Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

### **7. Handling and Storage**

#### **Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

#### **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store and handle away from heat, flames and oxidizing materials. Keep out of the reach of children.

**Incompatible materials** Strong oxidizing agents. Strong acids. Strong bases. Halogens. Chlorinated compounds.

### **8. Exposure Controls/Personal Protection**

#### **Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

#### **Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems

#### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing. Long sleeved clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly after handling.

### **9. Physical and Chemical Properties**

#### **Information on basic physical and chemical properties**

**Physical state** Liquid

<b>Appearance</b>	Clear	<b>Odor</b>	Mild
<b>Color</b>	Colorless	<b>Odor threshold</b>	N/A

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	N/A	
<b>Melting point / freezing point</b>	N/A	
<b>Boiling point / boiling range</b>	> 148 °C	
<b>Flash point</b>	> 141 °C	CC (closed cup)
<b>Evaporation rate</b>	Slower than n-butyl acetate	
<b>Flammability (solid, gas)</b>	N/A	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	N/A	
<b>Lower flammability limit:</b>	N/A	
<b>Vapor pressure</b>	N/A	
<b>Vapor density</b>	Heavier than air	
<b>Relative density</b>	1.171	
<b>Water solubility</b>	Negligible	
<b>Solubility in other solvents</b>	N/A	
<b>Partition coefficient</b>	N/A	
<b>Autoignition temperature</b>	N/A	
<b>Decomposition temperature</b>	N/A	
<b>Kinematic viscosity</b>	N/A	
<b>Dynamic viscosity</b>	2000 cps @ 25°C	
<b>Explosive properties</b>	Not an explosive	
<b>Oxidizing properties</b>	N/A	

**Other Information**

<b>Softening point</b>	N/A
<b>Molecular weight</b>	N/A
<b>VOC Content (%)</b>	N/A
<b>Liquid Density</b>	9.75 pounds/gallon
<b>Bulk density</b>	N/A

## 10. Stability and Reactivity

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Hazardous polymerization does not occur.

<b>Hazardous polymerization</b>	None under normal processing.
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**Conditions to avoid**

Extremes of temperature and direct sunlight. Mixture with or exposure to incompatible materials.

**Incompatible materials**

Strong oxidizing agents. Strong acids. Strong bases. Halogens. Chlorinated compounds.

**Hazardous decomposition products**

Carbon oxides. Aldehydes. Formaldehyde. Silicon dioxide. Hydrocarbons. May emit toxic fumes under fire conditions.

## 11. Toxicological Information

**Information on likely routes of exposure**

**Product Information** Independent laboratory test results confirm that exposure to chemical hazards are well below the OSHA permissible exposure limits when this product is used as recommended.

**Inhalation** May cause irritation of respiratory tract.

**Eye contact** Irritating to eyes. Vapor may cause irritation.

**Skin contact** Irritating to skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Ingestion** Not an expected route of exposure. May be harmful if swallowed.

Chemical name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Bisphenol A diglycidyl ether resin 25068-38-6	= 11400 mg/kg ( Rat )	-	-
Proprietary epoxy resin	= 4500 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Distillates (petroleum) hydrotreated light 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h

**Information on toxicological effects**

N/A.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Irritating to skin. Repeated or prolonged contact may cause skin irritation and dermatitis.

**Serious eye damage/eye irritation** Irritating to eyes.

**Irritation** Irritating to eyes, respiratory system and skin.

**Sensitization** May cause sensitization by skin contact. Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

**Germ cell mutagenicity** None known.

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.

**STOT - single exposure** N/A.

**STOT - repeated exposure** N/A.

**Chronic Toxicity** Repeated contact may cause allergic reactions in very susceptible persons.

**Aspiration hazard** N/A.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 10,274.70 mg/kg mg/l

**12. Ecological Information**

Bisphenol A epoxy resin.

**Ecotoxicity**

Toxic to aquatic life with long lasting effects

Chemical name	Algae/aquatic plants	Fish	Crustacea
Distillates (petroleum) hydrotreated light 64742-47-8		45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss	

		mg/L LC50 static	
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**Persistence and degradability**

N/A

**Other adverse effects**

N/A

### 13. Disposal Considerations

**Waste treatment methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.

### 14. Transport Information

**Note:** A197 - Not restricted provided that the net quantity in any receptacle does not exceed 5 Kg or 5 L and the packaging meets defined standards ( IMDG 2.10.2.7)

**DOT**

<b>UN/ID no.</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Special Provisions</b>	8, 146, 173, 335, IB3, T4, TP1, TP29
<b>Marine pollutant</b>	Bisphenol A epoxy resin.
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Bisphenol A epoxy resin),9, III, Marine pollutant
<b>Emergency Response Guide Number</b>	171

**ICAO (air)**

<b>UN/ID no.</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Special Provisions</b>	A97, A158, A197, A215
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s., (Bisphenol A epoxy resin), 9, III

**IATA**

<b>UN/ID no.</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>ERG Code</b>	9L
<b>Special Provisions</b>	A97, A158, A197, A215
<b>Description</b>	UN3082 Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A epoxy resin), 9, III

**IMDG**

<b>UN/ID no.</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.

<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>EmS-No.</b>	F-A, S-F
<b>Special Provisions</b>	274, 335, 969
<b>Marine pollutant</b>	Bisphenol A epoxy resin
<b>Description</b>	UN3082 Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A epoxy resin), 9, III, Marine pollutant

## 15. Regulatory Information

### International Inventories

#### Legend:

TSCA - *United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL - *Canadian Domestic Substances List/Non-Domestic Substances List*

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

The following chemicals may be contained in this product in de minimis amounts not required for listing in section 3. However, these chemicals do appear on some state Right-to-Know (RTK) and/or other hazardous substance lists. Please check your state's listings for more information.

#### U.S. State Right-to-Know Regulations

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## 16. Other Information



**Prepared By** Key Polymer Corp Compliance  
**Issuing Date** 02-Jun-2015  
**Revision Date** 18-Sep-2023

**Revision Note**

N/A

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**