

Issuing Date 06-Jan-2015

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Revision Number 4

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

### Product identifier

**Product Name** CAFCO® BOND-SEAL Type X

### Other means of identification

**Product Code(s)** 2-370FGN

**Document** Bond-Seal Type X

None

Adhesives and/or sealants. FOR INDUSTRIAL USE ONLY.

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

### **Manufacturer Address**

Key Polymer Corporation  
17 Shepard Street Lawrence, MA  
01843, USA

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

### **Manufacturer and U.S. Supplier's Address**

USMPC Buyer Inc, dba Isolatek International  
41 Furnace Street  
Stanhope NJ 07874

Toll Free: 1 800 631 9600

### **Emergency Telephone**

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

### **Chemtrec International Phone**

+1 703 527-3887

## 2. Hazards Identification

### Classification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS). This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

## Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Opaque Green

**Physical state** Liquid

**Odor** Mild acrylic odor

### **Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

### **Precautionary Statements - Storage**

Keep from freezing

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)**

**Other Information**

56.49402% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/Information on Ingredients**

**Substance**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

<b>Chemical Family</b>	Water Based Coating
<b>Chemical nature</b>	Aqueous solution of a polymer.

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

**4. First Aid Measures**

**Description of first aid measures**

<b>General advice</b>	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.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Treat symptomatically. Get medical attention.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

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

<b>Symptoms</b>	N/A.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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**5. Fire-Fighting Measures**

**Suitable Extinguishing Media**

Dry chemical, CO2, water spray or regular foam

<b>Unsuitable extinguishing media</b>	Caution: Use of water spray when fighting fire may be inefficient.
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**Specific hazards arising from the chemical**

Keep cool with water. Sealed container may rupture.

**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**

Cool containers with flooding quantities of water until well after fire is out. 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. Use personal protective equipment as required. Extremely slippery when spilled.

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

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**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.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep out of the reach of children. Keep from freezing. Keep containers tightly closed in a dry, cool and well-ventilated place. Minimize contact with air to reduce contamination with mold, fungus or other organisms which could cause decomposition or spoilage.

**Incompatible materials** Strong acids. Strong oxidizing agents. Strong bases.

**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**

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear protective gloves and protective clothing.
<b>Respiratory protection</b>	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.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Use personal protective equipment as required.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild acrylic odor
<b>Appearance</b>	Opaque	<b>Odor threshold</b>	N/A
<b>Color</b>	Green		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
pH	5.2	
Melting point / freezing point	0 °C	
Boiling point / boiling range	100 °C	
Flash point	> 100 °C	CC (closed cup)
Evaporation rate	slower than n-butyl acetate	
Flammability (solid, gas)	N/A	
Flammability Limit in Air		
Upper flammability limit:	N/A	
Lower flammability limit:	N/A	
Vapor pressure	~18 mmHg @ 20°C	
Vapor density	N/A	
Relative density	1.09	
Water solubility	Dispersible	
Solubility in other solvents	N/A	
Partition coefficient	N/A	
Autoignition temperature	N/A	
Decomposition temperature	N/A	
Kinematic viscosity	N/A	
Dynamic viscosity	N/A	
Explosive properties	Not an explosive	
Oxidizing properties	N/A	

**Other Information**

Softening point	N/A
Molecular weight	N/A
VOC Content (%)	N/A
Liquid Density	9.1 pounds/gallon
Bulk density	N/A

**10. Stability and Reactivity**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**      Hazardous polymerization does not occur.

**Conditions to avoid**

Keep out of reach of children. Incompatible materials. Freezing temperatures.

**Incompatible materials**

Strong acids. Strong oxidizing agents. Strong bases.

**Hazardous decomposition products**

Carbon oxides. Hydrocarbons. May emit toxic fumes under fire conditions.

**11. Toxicological Information**

**Information on likely routes of exposure**

<b>Product Information</b>	The product has not been tested
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	May cause irritation. Vapor may cause irritation.
<b>Skin contact</b>	PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.
<b>Ingestion</b>	Not an expected route of exposure. Ingestion of this material may cause gastrointestinal irritation.
<b>Component Information</b>	Caution - This preparation contains a substance not yet fully tested

**Information on toxicological effects**

See Section 11: TOXICOLOGICAL INFORMATION.

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

<b>Skin corrosion/irritation</b>	Repeated or prolonged contact may cause skin irritation and dermatitis.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Irritation</b>	PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.
<b>Corrosivity</b>	None.
<b>Sensitization</b>	N/A.
<b>Germ cell mutagenicity</b>	N/A.
<b>Carcinogenicity</b>	N/A.
<b>Reproductive toxicity</b>	N/A.
<b>STOT - single exposure</b>	N/A.
<b>STOT - repeated exposure</b>	N/A.
<b>Aspiration hazard</b>	N/A.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity**      56.49402% of the mixture consists of ingredient(s) of unknown toxicity

**12. Ecological Information**

**Ecotoxicity**

N/A  
 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

N/A

**Other adverse effects**

N/A

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**14. Transport Information**

**Note:** PROTECT FROM FREEZE

**DOT** Not regulated

**ICAO (air)** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. Regulatory Information**

**International Inventories**

**TSCA** All components of this product are either exempt or included on the TSCA Inventory in compliance with the Toxic Substances Control Act.

**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>	No
<b>Chronic Health Hazard</b>	No
<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.

**California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
ethanol - 64-17-5	Carcinogen Developmental

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

This product does not contain any substances regulated by state right-to-know regulations

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other Information**

<b><u>NFPA</u></b>	Health hazards 1	Flammability 1	Instability 0	Physical and chemical properties -
<b><u>HMIS</u></b>	Health hazards 1	Flammability 1	Physical hazards 0	Personal Protection X

Prepared By	Key Polymer Corp Compliance
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**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**