

**SAFETY DATA SHEET****Section 1: Product and Company Identification**

**Product Name:** Heat-Seal Stik®  
**Product Code:** 11575; 11577  
**Product Use:** Pre-mixed epoxy sealer  
**Supplier:** LA-CO Industries, Inc.  
1201 Pratt Boulevard  
Elk Grove Village, IL.  
60007-5746  
E-mail Contact: customer\_service@laco.com  
**Phone Number:** (847) 956-7600  
**Fax:** (847) 956-9885  
**24-hour Emergency:** CHEMTREC: (800) 424-9300

**Section 2: Hazards Identification**

**2.1 Classification of the substance or mixture according to GHS Classifications (UNECE 3<sup>rd</sup> Revised Edition):**  
Skin Sens. 1; H317

**2.2 Label elements:**

Warning.

H317: May cause an allergic skin reaction.

## Prevention

P261: Avoid breathing fumes.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/ eye protection /face protection.

## Response

P302+P352: Wash exposed skin with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

## Disposal

P501: Recycle and or dispose of contents/containers in accordance with local/regional/national/ international regulations.

**2.4 Other hazard classifications:**

USA: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Canada: This is a controlled product under WHMIS.



D2B

European Union (EU): This product is classified as hazardous according to CLP Regulation (EC) No 1272/2008.

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### Section 3: Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt.%</u>	<u>GHS Classifications</u> according to UNECE 3 <sup>rd</sup> Revised Edition
Epichlorhydrin Bisphenol A resin	25068-38-6	45 - 95	Not classified as hazardous
Chromium (III) oxide	1308-38-9	5 - 10	Not classified as hazardous
Titanium dioxide	13463-67-7	5 - 10	Not classified as hazardous
4,4'-isopropylidenediphenol	80-05-7	1 – 2.5	Repr. 2; H361f STOT SE 3; H335 Eye Dam. 1; H318 Skin Sens. 1; H317

### Section 4: First Aid Measures

#### 4.1 Description of first aid measures:

**Inhalation:** If symptoms are experienced, remove source of contamination or have victim move to fresh air. Obtain medical advice.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes while holding the eyelids open. If irritation persists, obtain medical attention.

**Skin Contact:** Wash exposed skin with soap and plenty of water. If irritation persists, obtain medical advice.

**Ingestion:** If swallowed, immediately call a POISON CENTER or doctor/physician.

#### 4.2 Most important symptoms and effects, both acute and delayed:

**Skin:** Repeated skin contact may cause an allergic contact dermatitis.

**Inhalation:** Over-exposure to fumes from heated product may cause respiratory tract irritation.

**Ingestion:** Not an expected route of exposure with normal use of the product. Contains BPA, a substance suspected of damaging fertility if swallowed.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

Get immediate medical advice/attention if swallowed.

### Section 5: Fire Fighting Measures

#### 5.1 Extinguishing media:

Use dry chemicals, carbon dioxide, water spray or appropriate foam.

#### 5.2 Special hazards arising from the substance:

Product can burn if involved in a fire but does not ignite readily. [Flashpoint > 842°F/450°C]

#### 5.3 Advice for firefighters:

If involved in a fire, combustion may produce toxic and irritating fumes and gases. Carbon dioxide, carbon monoxide, smoke, fumes, chromium oxide and/or unburned hydrocarbons.

As for any fire, evacuate the area and fight the fire from a safe distance. Firefighters must wear full protective clothing and positive pressure self-contained breathing apparatus.

### Section 6: Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Wear thermal protective gloves if needed to prevent skin contact with hot, molten material.

#### 6.2 Environmental precautions:

Bulk releases are not anticipated under normal conditions. Prevent the product from entering sewers or waterways.

#### 6.3 Methods and material for containment and cleaning up:

Pick up spilled product and collect for re-use or proper disposal. Dispose of any contaminated, unusable product as described in Section 13 of this SDS.

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### Section 7: Handling and Storage

#### 7.1 Precautions for safe handling:

Keep out of reach of children.  
 Avoid contact with skin and eyes. Avoid breathing fumes from heated product.  
 Do not use on foods. Do not touch heated, molten product.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well ventilated place. Keep cool. Keep containers tightly closed when not in use.

### Section 8: Exposure Controls/Personal Protection

#### 8.1 Control parameters:

Consult local authorities for acceptable exposure limits.  
 Measurable airborne concentrations of the component substances are not expected when the product is used for its intended purpose.

#### 8.2 Exposure controls:

##### Engineering Controls:

Good general ventilation is normally adequate.

**Personal Protection:** Workers must comply with the Personal Protective Equipment requirements of the workplace in which this product is handled.

**Eye/Face Protection:** Not required for normal use. Wear protective equipment appropriate for the workplace conditions where this product is used.

**Skin Protection:** Not required for normal use. Wear protective gloves when needed to prevent repeated or prolonged skin contact. Wear thermal protective gloves when needed to prevent burns.

**Respiratory Protection:** If ventilation and other engineering controls and work practices are not effective in controlling exposure to fume of this material, then wear suitable personal protective equipment including approved respiratory protective equipment (RPE). In workplaces where respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection. Consult with respirator manufacturer to determine respirator selection, use and limitations.

**Other Protection:** Keep out of reach of children. Wash hands at the end of every work shift and before eating, drinking, smoking or using the toilet. Wash contaminated clothing before reuse.

### Section 9: Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties:

<b>Appearance:</b>	Solid, stick in a labeled holder.
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not applicable
<b>pH:</b>	Not applicable
<b>Melting point/freezing point:</b>	Not available
<b>Initial boiling point and boiling range:</b>	Not available
<b>Flash point:</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Auto-ignition temperature:</b>	450 – 600°C (842 – 1112°F)
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Explosive properties:</b>	Not available
<b>Oxidizing properties:</b>	Not available
<b>Sensitivity to mechanical impact:</b>	Not available
<b>Sensitivity to static discharge:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	1.2 – 1.9 (water = 1)
<b>Solubility (is):</b>	Insoluble in water.
<b>Partition coefficient (n-octane/water):</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not applicable

**SAFETY DATA SHEET****Section 10: Stability and Reactivity****10.1 Reactivity:**

Not classified for reactivity hazards.

**10.2 Chemical Stability:**

Stable at normal ambient and anticipated storage and handling conditions of temperature and pressure.

**10.3 Possibility of Hazardous Reactions:**

None known

**10.4 Conditions to Avoid:**

Not available

**10.5 Incompatible Materials:**

Incompatible with strong oxidizers such as liquid chlorine and oxygen.

**10.6 Hazardous Decomposition Products:**

Not available

**Section 11: Toxicological Information****11.1 Information on toxicological effects:****Acute Health Effects:**

**Inhalation:** This product does not easily form a vapor. Inhalation exposure to fumes may occur when product is heated. Over-exposure to fumes may cause respiratory tract irritation.

**Ingestion:** Data not available for the mixture. Not an expected route of exposure with normal occupational use of the product.

**Skin:** Data not available for the mixture. Contains 4,4'-isopropylidenediphenol (BPA) a substance which causes skin irritation.

**Eye:** Data not available for the mixture. Contains 4,4'-isopropylidenediphenol (BPA) a substance which causes eye irritation. Over-exposure to fumes from heating may cause eye irritation.

**Acute Toxicity Data::**

Acute toxicity data are not available. Exposure to acutely toxic and harmful substances by the user is not expected when the stick is used for its intended purpose.

**Chronic Health Effects:**

Repeated exposures by skin contact may cause dermatitis.

**Sensitization:**

Contains 4,4'-isopropylidenediphenol, a substance which may cause an allergic skin reaction.

**Neurological Effects:**

Not available

**Genetic Effects:**

Not available

**Reproductive Effects:**

Contains 4,4'-isopropylidenediphenol (BPA), a substance that is suspected of damaging fertility. BPA has caused reduced fertility in experiments with animals.

**Developmental Effects:**

Not available

**Target Organ Effects:**

Not available

**Carcinogenicity:**

This product is not known to contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC or NTP.

Titanium dioxide IARC: (International Agency for Research on Cancer) evaluation for Titanium dioxide lists this substance in Group 2B – for exposures to airborne unbound particles of respirable size. This is not a relevant route of exposure for this product.

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### Section 11: Toxicological Information, continued

**Medical Conditions Aggravated by Exposure:**

Repeated skin contact may aggravate an existing dermatitis.

**Interactions With Other Chemicals:**

Data are not available.

### Section 12: Ecological Information

**12.1 Toxicity:**

Contains 4,4'-isopropylidenediphenol (BPA), a substance that is classified as harmful to aquatic organisms. Do not release to the environment.

**12.2 Persistence and degradability:**

Not readily biodegradable

**12.3 Bioaccumulative potential:**

Not available

**12.4 Mobility in soil:**

Not available

### Section 13: Disposal Considerations

**13.1 Waste treatment methods:**

Do NOT discard into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. Dispose of in accordance with local, state/provincial and federal laws and regulations.

The conditions of use, storage and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, LA-CO Industries, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

### Section 14: Transport Information:

**Transport Regulations:**

**U.S. Hazardous Materials Regulation (DOT 49CFR):** Not regulated as a dangerous good for transport.

**Canadian Transportation of Dangerous Goods (TDG):** Not regulated as a dangerous good for transport.

**IMO Classification:** Not regulated as a dangerous good for transport.

**ICAO/IATA Classification:** Not regulated as a dangerous good for transport.

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### Section 15: Regulatory Information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**USA**

**OSHA:** Hazardous Chemical according to OSHA Hazard Communication Standard 29 CFR 1910.120 (2012).

**SARA Title III**

Sec. 313: 4,4'-Isopropylidenediphenol; 1% de minimis.

**California Prop 65:** Contains Titanium dioxide but not as airborne unbound particles of respirable size.

**Canada**

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the SDS contains all the information required by the *Controlled Products Regulations*.

**WHMIS Classification:**

D2B: due to skin sensitization.

**DSL Status:**

All component substances are listed on Canada's Domestic Substances List (DSL). Bisphenol A is a CEPA, High priority chemical for Human health.

**NPRI Substances:**

Bisphenol A, Part 1, Group 1 Substance (2010)

**Europe**

Classification of the substance or mixture according to CLP Regulation (EC) No 1272/2008.  
 Skin Sens. 1; H317

### Section 16: Other Information

**Preparation Information:**

**Revision date:** April 29, 2013

**References and sources for data:**

CCOHS – ChemInfo

**Legend to abbreviations:**

ACGIH – American Conference of Governmental Industrial Hygienists  
 GHS- Globally Harmonised System for Classification and Labeling  
 IARC – International Agency for Research on Cancer  
 LD50- Median lethal dose; the dose causing 50 % lethality  
 LEV- Local exhaust ventilation  
 OSHA – United States, Occupational Safety and Health Administration  
 STEL – Short term exposure limit  
 TWA – Time weighted average  
 TLV - Threshold Limit Value  
 NTP – National Toxicology Program  
 WHMIS – Canada, Workplace Hazardous Materials Information System

**Supplier Note:**

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, LA-CO Industries, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will LA-CO Industries, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

**Prepared by:**

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