

# Material Safety Data Sheet

## Section 1 Product and Company Identification

**Product Name:** BLOC-IT Heat Sink Paste  
**Revision #:** 2.2 **Date Prepared:** May 23, 1991 **Date Revised:** February 10, 2010

**Manufacturer:**  
**LA-CO INDUSTRIES, Inc./Markal Co.**  
1201 Pratt Blvd.  
Elk Grove Village, IL, USA 60007-5746  
**Information Telephone:** 847-956-7600  
**Emergency Telephone:** Call CHEMTREC  
USA 800-424-9300  
International (Call Collect) 1-703-527-3887  
**Chemical Formula:** Mixture  
**CAS No.:** Not Applicable. **Derivation:** Not Applicable.  
**Synonyms:** Not Applicable.  
**General Use:** Heat sink paste for protecting heat sensitive areas when soldering, brazing or welding.

**Supplier/Importer:**

## Section 2 Composition/Information on Ingredients

| <u>Ingredient</u>   | <u>CAS No.</u> | <u>%</u> |
|---|----------------|----------|
| No Hazardous ingredients according to the U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200, Canadian WHMIS regulations, British CHIP2 regulation 6, and Australian Regulations for the Control of Workplace Hazardous Substances. |                |          |

(For Section 2 footnotes: See Section 15)

## Section 3 Hazards Identification

**EMERGENCY OVERVIEW:** None.

### POTENTIAL HEALTH EFFECTS

**Primary Exposure Routes:** Not Applicable.

#### Acute Effects

**Eyes:** Not Applicable.

**Skin:** Not Applicable.

**Ingestion:** Not Applicable.

**Inhalation:** Not Applicable.

#### Chronic Effects

**Eyes:** Not Applicable.

**Skin:** Not Applicable.

**Ingestion:** Not Applicable.

**Inhalation:** Not Applicable.

**Carcinogenicity:** Not Applicable.

**Target Organ Effects:** Not Applicable.

**Medical Conditions Aggravated by Long-Term Exposure:** Not Determined.

**Other Information:** Not Applicable.

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## Section 4 First Aid

**Eye Contact:** Flush with water.  
**Skin Contact:** Rinse with water.  
**Ingestion:** Not Applicable.  
**Inhalation:** Not Applicable.  
**Other Information:** Not Applicable.

## Section 5 Fire Fighting Measures

**Flash Point (method):** Not Applicable.  
**Autoignition Temperature:** Not Applicable.  
**LEL:** Not Applicable. **UEL:** Not Applicable.  
**Flammability Classification:** Not Applicable.  
**Extinguishing Media:** Not Applicable.  
**Hazardous Combustion Products:** Possibly carbon monoxide.  
**Unusual Fire or Explosion Hazards:** Not Applicable.  
**Fire-Fighting Instructions/Equipment:** Keep personnel removed and upwind of any fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

## Section 6 Accidental Release Measures

Use recommended personal protective equipment (see Section 8).  
**Spill:** CAUTION: Spill area may be slippery. Scrape up bulk. Mop spill area with water.

## Section 7 Handling and Storage

**Handling Precautions:** Use recommended personal protective equipment (see Section 8). Wash thoroughly after handling.  
**Storage Requirements:** Store away from incompatible chemicals (see Sec. 10). Store in a cool, dry area.

## Section 8 Exposure Controls/Personal Protection

**Eye/Face Protection:** Suitable for related activities where this product is used.  
**Skin/Hand Protection:** Suitable for related activities where this product is used.  
**Respiratory Protection:** Suitable for related activities where this product is used.  
**Other Equipment:** Eye wash and safety shower. Suitable for related activities where this product is used.  
**Engineering Controls:** Suitable for related activities where this product is used.  
**Administrative Controls:** Users of this product must be properly trained and qualified in its use.  
**Other Information:** No food or beverage should be consumed in the work area. Wash thoroughly before eating, drinking, or smoking.

## Section 9 Physical and Chemical Properties

**Appearance/Physical State:** Light pink to beige paste.  
**Odor:** Negligible.  
**Odor Threshold (ppm):** Not Determined.  
**Specific Gravity (H<sub>2</sub>O = 1):** 1.0 to 1.1

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**Solubility - Water:** Soluble  
- **Fat:** Insoluble  
**Coefficient of Water/Oil Solubility:** >>1  
**Partition Coefficient (n-octanol/water):** <<1  
**pH:** Neutral  
**Melting Point:** Not Determined.  
**Boiling Point:** 212<sup>0</sup>F/100<sup>0</sup>C  
**Vapor Pressure (mm Hg at 20<sup>0</sup>C):** Not Determined.  
**Vapor Density (Air = 1):** Not Determined.  
**Evaporation Rate (n-BuAc=1):** <1  
**V.O.C.:** 0%(w/w), 0%(v/v), 0 lbs./gal.(U.S.), 0 kg/l  
**Flash Point (method):** (see Section 5)  
**Autoignition Temperature:** (see Section 5)  
**Flammability Classification:** (see Section 5)  
**Unusual Fire or Explosion Hazards:** (see Section 5)  
**Oxidizing Properties:** Not Applicable.  
**Other Information:** None.  
**Note:** The physical data represented above are typical values and should not be construed as a specification.

## Section 10 Stability and Reactivity

**Chemical Stability:** Stable  
**Hazardous Polymerization:** Will Not Occur  
**Conditions to Avoid:** Not Applicable.  
**Chemicals to Avoid:** Not Determined.  
**Hazardous Decomposition Products (non-thermal):** Not Applicable.

## Section 11 Toxicological Information

**Sensitization to Product:** Not Applicable.  
**Irritancy of Product:** Not Applicable.  
**Reproductive Toxicity:** Not Applicable.  
**Teratogenicity:** Not Applicable.  
**Mutagenicity:** Not Applicable.

Further hazard information, if applicable, may be found in Section 3. Toxicological information regarding individual ingredients, if applicable, may be found in Section 2.

## Section 12 Ecological Information

**Mobility:** Not Determined. **Ecotoxicity:** Not Determined.  
**Degradability:** Not Determined. **Other Adverse Effects:** Not Determined.  
**Accumulation:** Not Determined.

## Section 13 Disposal Considerations

Dispose of in accordance with all applicable regulations.

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## Section 14 Transport Information

### D.O.T. (U.S.)

**Proper Shipping Name:** Not Regulated.  
**Hazard Class or Division:** Not Regulated.  
**Hazard Label:** Not Regulated.  
**I.D. Number:** Not Regulated.  
**TDG (Canada):** Not Regulated.  
**IATA:** Not Regulated.  
**ICAO:** Not Regulated.  
**IMO:** Not Regulated.  
**Australian Code for the Transport of Dangerous Goods**  
**Dangerous Goods Class and Subsidiary Risk:** Not Regulated.

## Section 15 Regulatory Information

### Footnotes for Section 2:

- 1 Subject to the reporting requirements of SARA Title III, Section 313.
- 2 Appears on the California Safe Drinking Water and Toxic Enforcement Act (Prop. 65) Substances List.
- 3 Appears on the Massachusetts Substances List.
- 4 Appears on the New Jersey Right-To-Know Hazardous Substances List.
- 5 Appears on the Pennsylvania Hazardous Substances List.
- 6 Appears on the Canadian WHMIS Ingredient Disclosure List.

### U.S.A.

**OSHA Hazard Status:** This product is not considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).

**EPA SARA sec. 311/312 Hazard Categories:** Not Applicable.

**Toxic Substances Control Act (TSCA):** All ingredients contained in this product are listed on the U.S. EPA TSCA Chemical Substance Inventory.

**HMIS Rating:** Health 0, Flammability 0, Reactivity 0

**NFPA Rating:** Health 0, Flammability 0, Reactivity 0

### CANADA

**WHMIS Status:** This product is not considered to be hazardous as defined by Canadian WHMIS Controlled Products Regulations.

**WHMIS Rating:** None.

**WHMIS Risk Phrases:** None.

**WHMIS Precautionary Statements:** None.

**Domestic Substances List (DSL):** All ingredients contained in this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).

### E.U.

**European Inventory of Existing Chemical Substances (EINECS):** All ingredients contained in this product are listed on the European Inventory of Existing Chemical Substances (EINECS).

**Categories of Danger (Labeling Information):** None.

**Risk (R) Phrases:** None.

**Safety (S) Phrases:** Keep out of reach of children (S2)

### AUSTRALIA

**Worksafe Australia Status:** This product is not classified as hazardous according to criteria of Worksafe Australia.

**HAZCHEM Code:** None allocated.

**Poisons Schedule Number:** None allocated.

