



1801 Morgan Street  
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MSDS Number: 135  
 Revision Date: 03/26/2014  
 Supersedes Date: 04/13/2011

## MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

### Product Name: INSULATING COATING

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Type: Coating  
 Product Name: **INSULATING COATING**  
 Part Number(s): **10-1762**  
**10-1766**

Emergency Contact: **Chemtrec**  
 Phone: **(800) 424-9300**

#### NFPA Ratings:

Fire 3  
 Reactivity 0  
 Health 2  
 Special Hazards None

<b>HAZARD RATING</b> 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT **SEE SECTION IV	National Fire Protection Association (NFPA)
	FIRE <u> 3 </u> REACTIVITY <u> 0 </u>  HEALTH <u> 2 </u> SPECIAL HAZARDS <u> None </u>

#### SECTION 2: HAZARDS INGREDIENTS

SECTION II - HAZARDOUS INGREDIENTS INFORMATION. All Health Hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater.					
HAZARDOUS COMPONENTS CHEMICAL and IDENTITY AND COMMON NAME (S)	% Wt. (OPTIONAL)	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMEND
VM&P Naphtha	32-38	64742-89-8	300 ppm	300 ppm	None
Hexane	16-19	110-54-3	500 ppm	50 ppm	None
Toluene	13-16	108-88-3	200 ppm	50 ppm	None
Methyl Ethyl Ketone	3-7	78-93-3	200 ppm	200 ppm	None
Resins	25-27	N/A	N/A	N/A	None

#### SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

<b>BOILING POINT</b> 149 - 285°F	<b>SPECIFIC GRAVITY</b> (H <sub>2</sub> O =1) 0.79 - 0.83	<b>APPROXIMATE WEIGHT PER GALLON (LBS)</b> 6.60-690
<b>VAPOR PRESSURE</b> 125 mmHg @ 20°C	<b>VAPOR DENSITY</b> (AIR = 1) Heavier than air	<b>EVAPORATION RATE</b> (BUTYL ACETATE =1) > 1.0
<b>SOLUBILITY IN WATER</b> Insoluble	<b>% VOLATILE</b> 72-75% <b>VOC LBS./GAL</b> 4.8-5.2	<b>OTHER (IF ANY)</b> None
<b>APPEARANCE AND ODOR</b> Various Colors, Honey Like Substance - Characteristic Odor		



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### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (METHOD USED)</b>	-10.0°F TCC	<b>FLAMMABLE LIMITS</b>	0.9 – 11.5	<b>LEL</b>	0.9	<b>UEL</b>	11.5
<b>EXTINGUISHING MEDIA</b> Carbon Dioxide, Dry Chemical, or Foam							
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode.							
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> This material is flammable and may be ignited by heat, sparks, flame or static electricity.							
<b>HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION</b> Carbon Dioxide and/or Carbon Monoxide.							
<b>EXPLOSIVE LIMITS (% BY VOLUME IN AIR)</b> 0.9 - 11.5							

### SECTION 5: OPTIONAL HAZARD RATINGS IDENTIFICATION

<b>HAZARD RATING</b> 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT **SEE SECTION IV	<b>National Fire Protection Association (NFPA)</b>	
	<b>FIRE</b> <u>  3  </u>	<b>REACTIVITY</b> <u>  0  </u>
	<b>HEALTH</b> <u>  2  </u>	<b>SPECIAL HAZARDS</b> <u>  None  </u>

### SECTION 6: REACTIVITY AND STABILITY DATA

<b>STABILITY</b>	UNSTABLE	STABLE X	<b>CONDITIONS TO AVOID</b> None
<b>INCOMPATIBILITY (Materials to Avoid)</b> Strong acids, bases, oxidizing agents, selected amines with alkali metals and halogens.			
<b>HAZARDOUS DECOMPOSITION OR BY PRODUCTS</b> Carbon Monoxide, Carbon Dioxide			
<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR	WILL NOT OCCUR X	<b>CONDITIONS TO AVOID</b> None

### SECTION 7: HEALTH HAZARD DATA

<b>ROUTES OF ENTRY</b>	<b>INHALATION?</b> Yes	<b>SKIN?</b> Yes	<b>INGESTION?</b> Yes	<b>EYES?</b> Yes
<b>HEALTH HAZARDS</b>	ACUTE X	See Signs and Symptoms of Exposure below.		
	CHRONIC X	Brain and Nervous System Damage (Referred to as solvents or painters syndrome). Drying or Cracking skin.		
<b>CARCINOGENICITY:</b> No				
<b>SIGNS AND SYMPTOMS OF EXPOSURE</b>				
Headache, Dizziness, Drowsiness, Fatigue, Irregular Heartbeat, Skin and Eye Irritation.				
Target Organs: CNS, CVS, PNS, Liver, Kidneys, Lungs, Respiratory System, Skin.				



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#### SECTION 7: HEALTH HAZARD DATA (CONTINUED)

<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b> Pre-existing Heart, Liver, Kidney and Lung disorders.	
<b>EMERGENCY AND FIRST AID PROCEDURES</b>	Ingestion: Contact Physician or Poison Control Immediately.
	Inhalation: Remove to fresh air. Administer Oxygen or Artificial Respiration if Necessary.
	Eye Contact: Flush with large amounts of water. If irritation persists, contact Physician.
	Skin: Wash with soap and water.

#### SECTION 8: PRECAUTIONS FOR SAFE HANDLING AND USE

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b>	Wipe up with floor absorbent. Transfer to hood. Prevent run-off to sewers. Eliminate all sources of ignition. Ventilate to maintain exposure below PEL's. Use sand or other material to dam or contain spills. If large spill, notify appropriate state and local agencies.
<b>WASTE DISPOSAL METHODS</b>	Dispose of product in accordance with local, county, state and federal regulations.
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE</b>	Keep away from sparks, flame and heat sources. Do not store above 120°F and use adequate ventilation. Avoid inhalation of vapors and contact with liquid product. Use good personal hygiene.
<b>OTHER PRECAUTIONS</b>	Keep Container Closed When Not In Use. Containers should be disposed of in an environmentally safe manner in accordance with Governmental Regulations.

#### SECTION 9: CONTROL MEASURES

<b>RESPIRATORY PROTECTION (SPECIFY TYPE)</b> Depending on the Airborne concentration, use a Respirator with appropriate NIOSH approved cartridge or supplied air equipment.		<b>PROTECTIVE GLOVES</b> Impervious
<b>VENTILATION</b>	<b>LOCAL EXHAUST</b> Supplemental (if needed)	<b>SPECIAL</b> None
	<b>MECHANICAL (GENERAL)</b> To maintain exposure below PEL's	<b>OTHER</b> None
<b>EYE PROTECTION</b> Chemical splash goggles or approved eye protection.		<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b> Impervious Clothing/Boots as needed.
<b>WORK HYGIENIC PRACTICES</b> Wash thoroughly after handling.		

#### SECTION 10: TRANSPORTATION INFORMATION

<b>D.O.T. PROPER SHIPPING NAME</b> Coating Solution (UN 1139)	<b>D.O.T. HAZARD CLASS</b> 3, PG II
<b>IATA PROPER SHIPPING NAME</b> Coating Solution (UN 1139)	<b>IATA HAZARD CLASS</b> 3, PG II
<b>DOT EXCEPTION</b> See DOT 49CFR 172.102, New Special Provision 149 AND DOT 49CFR 171.8 FOR CONSUMER COMMODITY, ORM-D	



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### **SECTION 11: 313 SUPPLIER NOTIFICATION**

**THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT -TO-KNOW ACT OF 1986, 40 CFR 372, (see table on page 1 for CAS # and percent by weight).**  
Hexane, Toluene and Methyl Ethyl Ketone

**WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.**

### **SECTION 12: OTHER INFORMATION**

GC Electronics believes that the information contained herein is accurate and reliable as of the date of this material safety data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. Persons receiving information are encouraged to make their own determination as to the information's suitability and completeness for their particular application. NO INFORMATION CONTAINED HEREIN CONSTITUTES A PRODUCT WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED; AND ALL IMPLIED WARRANTIES OF MERCHANT ABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY GC ELECTRONICS.