






# MATERIAL SAFETY DATA SHEET

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

<b>PRODUCT NAME:</b> LHC724 Heat Conductive Sealant/Retainer <b>PRODUCT NUMBER:</b>		
<b>TRADE NAME:</b> LHC724 Heat Conductive Sealant/Retainer		
<b>GENERAL USE:</b> Sealant		
<b>PRODUCT DESCRIPTION:</b> White liquid with mild odor.		
<b>CHEMICAL FAMILY:</b> Mixture		
<b>MANUFACTURER / RESPONSIBLE PARTY:</b> LOCK-N-STITCH Inc.		
<b>TELEPHONE NUMBER (for general inquiries):</b> (209) 632-2345	<b>24-HOUR EMERGENCY TELEPHONE NUMBERS</b>	
<b>ADDRESS (NUMBER, STREET, P.O. BOX):</b> 1015 S. Soderquist Road.		<b>1-800-255-3924</b>
<b>(CITY, STATE AND ZIP CODE):</b> Turlock, CA 95380.		TOLL-FREE in North America (USA/Canada)
<b>COUNTRY:</b> USA		<b>01-813-248-0573</b>
<b>DATE PREPARED:</b> September 13, 2010 <b>EXPIRATION DATE:</b> September 12, 2013 <b>SUPERSEDES:</b> January 20, 2009		International calls outside the United States and Canada

**SECTION 2 - HAZARDS IDENTIFICATION**

<b>EMERGENCY OVERVIEW</b> <b>WARNING:</b> May cause allergic skin reactions. May cause eye, skin, and respiratory tract irritation. <b>WARNING: This product contains Saccharin, a chemical known to the state of California to cause cancer.</b>			
US (DOT)  None	CANADA (WHMIS) SYMBOL(S)  	EUROPEAN  	(GHS) HAZARD SYMBOLS  

<b>HMIS HAZARD RATINGS</b>							
0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE 3 = HIGH, 4 = EXTREME * - CHRONIC HEALTH HAZARD	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">HEALTH:</td> <td style="text-align: center; padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">FLAMMABILITY:</td> <td style="text-align: center; padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">PHYSICAL HAZARD:</td> <td style="text-align: center; padding: 2px;">1</td> </tr> </table>	HEALTH:	1	FLAMMABILITY:	1	PHYSICAL HAZARD:	1
HEALTH:	1						
FLAMMABILITY:	1						
PHYSICAL HAZARD:	1						

<b>REQUIRED PERSONAL PROTECTIVE EQUIPMENT:</b>	
<b>HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER:</b>  B	<div style="display: flex; align-items: center; justify-content: space-around;">   </div> <p style="color: red; font-weight: bold; margin-top: 5px;">Safety glasses and rubber or plastic gloves should be worn.</p>

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**RISK PHRASES**

**R20/22: Harmful by inhalation and if swallowed.**

**SAFETY PHRASES**

**S3/7: Keep container tightly closed in a cool place.**

**S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.**

**S45: In case of accident or if you feel unwell, seek medical advice immediately.**

## SECTION 2 - HAZARDS IDENTIFICATION (Continued)

**POTENTIAL HEALTH EFFECTS**

**ACUTE EXPOSURE EFFECTS**

**INHALATION:**

May cause irritation of the mucous membranes. In sensitive individuals.

**SKIN:**

May cause irritation and/or allergic skin reaction for sensitive individuals.

**EYES:**

May cause irritation.

**INGESTION:**

Aspiration hazard if swallowed.

**CHRONIC EXPOSURE EFFECTS**

None known.

**CARCINOGENICITY**

NTP? **NO**

IARC MONOGRAPHS? **NO**

OSHA REGULATED? **NO**

CALIFORNIA, Prop.65? **NO**

ESIS NOTATION? **NO**

## SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
<b>POLYGLYCOL DIMETHACRYLATE</b>	<b>83-90</b>	<b>25852-47-5</b>	<b>Not referenced</b>	<b>None</b>	<b>None</b>
<b>N,N-DIALKYL TOLUIDINE</b>	<b>0.1-1</b>	<b>613-48-9</b>	<b>210-345-0</b>	<b>None</b>	<b>None</b>
<b>CARBON</b>	<b>10</b>	<b>7782-42-5</b>	<b>231-955-3</b>	<b>None</b>	<b>None</b>
<b>CUMENE HYDROPEROXIDE</b>	<b>1-3</b>	<b>80-15-9</b>	<b>201-254-7</b>	<b>O, T, N</b>	<b>R34, R37/38, R41</b>
<b>SACCHARIN</b>	<b>1-3</b>	<b>81-07-2</b>	<b>201-321-0</b>	<b>None</b>	<b>None</b>

**NOTES:** This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directives. Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European Union directives and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directives.

**SECTION 4 - FIRST AID MEASURES**

**INHALATION:**

No first aid should be needed. Seek medical attention if symptoms persist.

**EYES:**

Remove contact lenses. Flush with running potable water for 15 minutes, lifting upper and lower lids occasionally. If irritation persists, get medical attention.

**SKIN:**

Remove contaminated clothing and shoes. Wash thoroughly with soap and water. Seek medical attention if irritation persists.

**INGESTION:**

Obtain immediate medical attention. Call a poison control center. Do not induce vomiting. If vomiting occurs, keep head below hips.

**SECTION 5 - FIRE FIGHTING MEASURES**

**DATA RELATED TO FIRE:**

FLASH POINT: **> 93.3°C (> 200°F)**

AUTO-IGNITION TEMPERATURE: **NA**

FLAMMABLE/EXPLOSIVE LIMITS: LOWER: **NA**

UPPER: **NA**

SENSITIVITY TO MECHANICAL IMPACT / STATIC DISCHARGE: **Not sensitive.**

**GENERAL HAZARDS:**

Not flammable. Minimally combustible liquid.

**SUITABLE EXTINGUISHING MEDIA:**

Carbon dioxide, dry chemical, foam.

**UNSUITABLE EXTINGUISHING MEDIA:**

None.

**FIRE FIGHTING PROCEDURES:**

Self-contained breathing apparatus required. Firefighters should wear the usual protective (turnout) gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None.

**HAZARDOUS COMBUSTION PRODUCTS:**

None known.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Absorb with inert material. Prevent entry into drains, sewers, and other waterways.

**SECTION 7 - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Avoid breathing vapors/mists. Use adequate ventilation. Wash thoroughly after using, particularly before eating or smoking. Wear personal protective equipment appropriate to task. Avoid contact with skin, eyes and clothing. Launder contaminated clothing prior to reuse. Store between -15 and 23.9°C (5-75°F).

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	CAS #	ACGIH Exposure Limits (mg/m <sup>3</sup> unless otherwise noted)	OSHA Exposure Limits (mg/m <sup>3</sup> unless otherwise noted)
POLYGLYCOL DIMETHACRYLATE	25852-47-5	NE	NE
N,N-DIALKYL TOLUIDINE	613-48-9	NE	NE
CARBON	7782-42-5	2 (respirable)	NE
CUMENE HYDROPEROXIDE	80-15-9	NE	NE
SACCHARIN	81-07-2	NE	NE

### PERSONAL PROTECTION

**RESPIRATORY PROTECTION:**

Use NIOSH or European EN149 approved respirator if there is potential to exceed exposure limit(s).

**PROTECTIVE GLOVES:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

**EYE PROTECTION:**

Safety goggles or safety glasses with side shields.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Wear protective clothing or an apron especially if sensitized to the product to prevent skin contact.

**ENGINEERING CONTROLS:**

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

**WORK / HYGIENIC PRACTICES:**

Wash with soap and water after handling the product and before eating, drinking, smoking or using restroom facilities.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR</b> White liquid with mild odor.	<b>VAPOR PRESSURE</b> <5 mm Hg @ 26.6°C (80°F)
<b>ODOR THRESHOLD</b> NE	<b>SPECIFIC GRAVITY (WATER = 1)</b> 1.1 @ 23.8°C (75°F)
<b>FREEZING / MELTING POINT</b> NA	<b>BOILING POINT</b> > 149°C (> 300°F)
<b>SOLUBILITY IN WATER</b> Low	<b>COEFFICIENT OF WATER / OIL DISTRIBUTION</b> Not available.
<b>pH</b> Not available.	<b>SOLUBILITY IN ORGANIC SOLVENTS</b> Not available.
<b>FLASH POINT</b> > 93.3°C (> 200°F) TCC.	<b>VISCOSITY</b> NA
<b>FLAMMABLE LIMITS</b> LEL: None                      UEL: None	<b>VAPOR DENSITY (AIR = 1)</b> NE
<b>AUTOIGNITION TEMPERATURE</b> NA	<b>EVAPORATION RATE (WATER = 1)</b> <1
<b>VOLATILE ORGANIC COMPOUND (VOC) INFORMATION</b> NE	

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## SECTION 10 - STABILITY AND REACTIVITY

<b>STABILITY</b> Stable under normal conditions.	<b>CONDITIONS TO AVOID:</b> Excessive heat.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b> Strong oxidizing agents.	
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b> None known.	
<b>HAZARDOUS POLYMERIZATION:</b> Will not occur.	<b>CONDITIONS TO AVOID:</b> None related to polymerization.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Complete Product

<b>Oral LD<sub>50</sub></b>	Product is likely to be a gastro-intestinal irritant.
<b>Dermal LD<sub>50</sub></b>	Not known - product is irritating and sensitizing by contact with skin.
<b>Inhalation LC<sub>50</sub></b>	Not known - product is irritant to the respiratory tract.
<b>Irritation / Sensitization</b>	Chemical and mechanical irritant to eyes; possible irritant to skin and respiratory tract.
<b>Carcinogenicity</b>	Not Known
<b>Mutagenicity</b>	Not Known
<b>Reproductive Toxicity</b>	Not Known
<b>Teratogenicity</b>	Not Known

### Product Components

Component	CAS #	LD50 of Ingredient (Oral, Rat - unless otherwise specified)	LC50 of Ingredient (Inhalation, Rat - unless otherwise specified)
<b>POLYGLYCOL DIMETHACRYLATE</b>	25852-47-5	NE	NE
<b>N,N-DIALKYL TOLUIDINE</b>	613-48-9	NE	NE
<b>CARBON</b>	7782-42-5	NE	NE
<b>CUMENE HYDROPEROXIDE</b>	80-15-9	LD50 = 382 mg/kg	LC50 = 220 ppm/4H
<b>SACCHARIN</b>	81-07-2	LD50=17,000MG/KG MOUSE ORAL	NE

## SECTION 12 - ECOLOGICAL INFORMATION

No information is available on this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:**  
 Dispose of in a manner consistent with federal, state, and local regulations. RCRA P-Series: None listed.  
 RCRA U-Series: CAS# 80-15-9 Cumene Hydroperoxide: waste number U096 (Reactive waste).

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## SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: <b>Not regulated for transport.</b>	
DOT HAZARD CLASS / Pack Group: <b>Not regulated</b>	IATA HAZARD CLASS / Pack Group: <b>Not regulated</b>
REFERENCE: <b>49CFR,IATA, IMDG</b>	IMDG HAZARD CLASS: <b>Not regulated</b>
UN / NA IDENTIFICATION NUMBER: <b>NA</b>	RID/ADR Dangerous Goods Code: <b>NA</b>
HAZARD SYMBOLS: <b>None</b>	Hazard Identification Number (HIN): <b>NA</b>

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

## SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act):	<b>Ingredients are listed.</b>
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):	
Acute Health: <b>Yes</b>	Chronic Health: <b>No</b>
Fire: <b>No</b>	Sudden Release of Pressure: <b>No</b>
Reactive: <b>No</b>	

SARA 313 REPORTABLE INGREDIENTS:  
**This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Cumene hydroperoxide (CAS# 80-15-9).**

CERCLA (USA - Comprehensive Response Compensation and Liability Act):  
**CAS# 80-15-9: 10 lb final RQ; 4.54 kg final RQ.**

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:  
**WARNING: This product contains Saccharin, a chemical known to the state of California to cause cancer.**

State Right to Know Lists:  
**Cumene Hydroperoxide CAS#80-15-9 can be found on the following state right to know lists: New Jersey, Pennsylvania, Massachusetts.**

CPR (Canadian Controlled Products Regulations):  
**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. WHMIS Classifications: D2B.**



IDL (Canadian Ingredient Disclosure List): **No ingredients are listed on the CIDL.**

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):

**Ingredients are listed on Canada's DSL List.**

EINECS (European Inventory of Existing Commercial Chemical Substances):

**CAS#25852-47-5 is not referenced.**

WGK Water Quality Index: **NA**

EU RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU/GHS LABEL	EU SAFETY PHRASES:
<b>R20/22: Harmful by inhalation and if swallowed.</b>	<p>Harmful</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div>	<p><b>S3/7: Keep container tightly closed in a cool place.</b>  <b>S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.</b>  <b>S45: In case of accident or if you feel unwell, seek medical advice immediately.</b></p>

**SECTION 16 - OTHER INFORMATION**

**Legend:**

ACGIH	American Congress of Government Industrial Hygienists		
CAS	Chemical Abstracts Service		
EINECS	European Inventory of Existing Commercial Chemical Substances		
HMIS	Hazardous Materials Identification System		
IARC	International Agency for Research on Cancer		
NA	Not Available	ND	Not Determined
NE	Not Established	NR	Not Reported
NIOSH	National Institute for Occupational Safety and Health		
NTP	National Toxicology Program		
OSHA	Occupational Safety and Health Administration		

**REVISION SUMMARY:**

Revised to USA (ANSI), CANADA (WHMIS), EU, and GHS standards 9/13/2010 supersedes 1/20/2009 issue. --JTV--.

MSDS Prepared by:

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.