



# MATERIAL SAFETY DATA SHEET

## HE574 - BLUESKIN LVC ADHESIVE

1. Product And Company Identification	
<b>Supplier</b> HENRY COMPANY 909 N. Sepulveda Blvd., Suite 650 El Segundo, CA 90245-2724  <b>Company Contact:</b> Technical Services <b>Telephone Number:</b> (800) 486-1278 <b>Web Site:</b> www.henry.com www.bakor.com	<b>Manufacturer</b> HENRY COMPANY 909 N. Sepulveda Blvd., Suite 650 El Segundo, CA 90245-2724  <b>Company Contact:</b> Technical Services <b>Telephone Number:</b> (800) 486-1278 <b>Web Site:</b> www.henry.com www.bakor.com
<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666
<b>Issue Date:</b> 10/06/2009  <b>Product Name:</b> HE574 - BLUESKIN LVC ADHESIVE <b>Product Code:</b> HE574	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
benzene, 1-chloro-4-(trifluoromethyl)	98-56-6		5 - 15
CYCLOHEXANE	110-82-7		1 - 5
HEPTANE	142-82-5		1 - 5
hexane	110-54-3		5 - 15
HYDROCARBON RESINS	NA - Mixture		15 - 30
LIGHT NAPHTHA	64742-89-8		1 - 5
methyl acetate	79-20-9		35 - 55
Mineral Oil	64742-52-5		5 - 15
SYNTHETIC POLYMER BLEND	NA Mixture		10 - 20

**EMERGENCY OVERVIEW**

**DANGER! Extremely flammable liquid and vapor. Vapor may cause flash fire. Harmful or fatal if swallowed. Harmful if absorbed through the skin. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. High vapor concentrations may cause drowsiness. Can cause eye, skin and respiratory tract irritation.**

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3. Hazards Identification
<b>Primary Routes(s) Of Entry</b> Inhalation, skin contact
<b>Eye Hazards</b> Irritation may be severe, causing burns and leading to permanent eye damage.



HE574 - BLUESKIN LVC ADHESIVE

3. Hazards Identification - Continued

**Skin Hazards**

May cause skin irritation and contact dermatitis upon prolonged contact. May be absorbed through skin in harmful amounts.

**Ingestion Hazards**

Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal. Harmful or fatal if swallowed.

**Inhalation Hazards**

Exposure to vapors may cause respiratory tract irritation. Inhalation of vapors or mists may cause central nervous system depression, light-headedness, headache, nausea and loss of coordination.

**Subchronic (Target Organ Effects)**

Central nervous system.

**Chronic/Carcinogenicity Effects**

Damage to the nervous system of the extremities, peripheral neuropathy, with symptoms including numbness, tingling and weakness in the toes and fingers, sensory impairment to touch, pain, vibration and temperature, muscular weakness, blurred vision, coldness of extremities, loss of body weight and reflexes, and even paralysis. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

None of the ingredients of this product comprising over 0.1% are classified as carcinogenic according to OSHA, National Toxicology Program (NTP), International Agency for Research on Cancer (IARC) or the American Conference of Governmental Industrial Hygienists (ACGIH).

4. First Aid Measures

**Eye**

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin**

Remove contaminated clothing and shoes. Wash affected areas with soap and water. Get medical attention if symptoms occur.

**Ingestion**

Get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim.

**Inhalation**

Remove the person from the contaminated area to fresh air. Get medical attention immediately.

**Note To Physician**

Aspiration of liquid into the lungs during swallowing or vomiting can cause lung inflammation, serious lung damage and even death from chemical pneumonitis.

5. Fire Fighting Measures

**Flash Point:** -9.4 °F -23 °C

**Flash Point Method:** closed cup

**Autoignition Point:** 437-851 °F 225-455 °C

**Flammability Class:** Class 1B

**Lower Explosive Limit:** 1.2

**Upper Explosive Limit:** 16



HE574 - BLUESKIN LVC ADHESIVE

5. Fire Fighting Measures - Continued

**Fire And Explosion Hazards**

Extremely flammable liquid and vapor.

**Extinguishing Media**

Chemical foam, carbon dioxide (CO2), dry chemical, water spray or water fog.

**Fire Fighting Instructions**

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Wear adequate respiratory protection equipment. Ventilate area. Avoid open flames, sparks or other ignition sources. Contain any liquids and absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations.

7. Handling And Storage

**Handling And Storage Precautions**

Keep away from ignition sources. Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Do not handle or store near heat, sparks, flame, strong oxidents or strong acids. Use only with adequate ventilation. Ground all containers.

**Handling Precautions**

SENSITIVE TO STATIC DISCHARGE: Likely to catch fire from near-by spark. Static charge may accumulate by flow or agitation. Grounding and bonding of containers is required.

For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. Flammable vapors may cause flash fire or ignite explosively. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container. Do not cut, drill, grind, or expose containers to heat, sparks, static electricity or other source of ignition. Explosion may occur causing injury or death.

8. Exposure Controls/Personal Protection

**Engineering Controls**

Use with adequate general and local exhaust ventilation. When used outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.

**Eye/Face Protection**

Safety glasses with side shields or goggles recommended.

**Skin Protection**

Use with chemical-protective gloves made of nitrile or neoprene to prevent skin contact.

**Respiratory Protection**

The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health or safety professional. If required, use a NIOSH-approved air purifying respirator with organic vapor cartridge and particulate filter or supplied air respirator.

Occupational Exposure Limits for individual ingredients (if available) are listed below.

**Ingredient(s) - Exposure Limits**

HEPTANE



HE574 - BLUESKIN LVC ADHESIVE

8. Exposure Controls/Personal Protection - Continued

**Ingredient(s) - Exposure Limits - Continued**

ACGIH TLV-STEL 500 ppm  
ACGIH TLV-TWA 400 ppm  
OSHA PEL-TWA 500 ppm  
hexane  
ACGIH TLV-STEL 1000 ppm  
ACGIH TLV-TWA 50 ppm (Skin)  
ACGIH TLV-TWA 500 ppm  
OSHA PEL-TWA 500 ppm  
methyl acetate  
ACGIH TLV-STEL 250 ppm  
ACGIH TLV-TWA 200 ppm  
OSHA PEL-TWA 200 ppm  
Mineral Oil  
5 mg/m3

9. Physical And Chemical Properties

**Appearance**

Liquid.

**Odor**

Sweet ester odor

**Odor Threshold**

Not established

**Chemical Type:** Mixture

**Physical State:** Liquid

**Boiling Point:** 133-136 °F 56-58 °C

**Specific Gravity:** 0.922

**Percent Volatiles:** 59.8

**Percent VOCs:** 135 g/L (non-reactive)

**Vapor Density:** 2.0-2.8 @77°F

**pH Factor:** not applicable

**Solubility:** not soluble in water

**Evaporation Rate:** >1 (butyl acetate = 1)

10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions To Avoid (Stability)**

Avoid extreme temperatures. Keep away from static electricity, ignition sources, heat and flames.

**Incompatible Materials**

Avoid contact with strong oxidizing agents, strong acids and strong bases.

**Hazardous Decomposition Products**

Toxic and irritating gases, vapors or fumes of carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

**Conditions To Avoid (Polymerization)**

Product will not undergo polymerization.



HE574 - BLUESKIN LVC ADHESIVE

11. Toxicological Information

**Acute Studies**

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)	INHALATION LC50 (rat)
Methyl Acetate	6975 mg/kg	> 5000 mg/kg	> 16000 ppm (4-hr dose -rat)
Chlorobenzotrifluoride	>6800 mg/kg	>2700 mg/kg	4479 ppm
Light Naphtha	>2000 mg/kg	>2000 mg/kg	>5000 ppm
n-Hexane	25000 mg/kg	No data	48000 ppm

**Eye Effects**

Causes severe irritation.

**Skin Effects**

Causes irritation and possible allergic skin reaction (from defatting and drying of the skin).

**Acute Inhalation Effects**

Causes throat and respiratory tract irritation.

**Miscellaneous Toxicological Information**

Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.

**Ingredient(s) - Toxicological Data**

hexane  
LD50 (oral, 14-day old rat): 15840 mg/kg  
LC50 (male rat): 38500 ppm (4-hour exposure)  
methyl acetate  
LD50 (oral, rat): greater than 5000 mg/kg  
LD50 (skin, rabbit): greater than 5000 mg/kg  
LC50 (rat): 16000 ppm (4-hour exposure)

12. Ecological Information

**Ecotoxicological Information**

This product contains components that will normally float on water. These components may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

**Toxicity - Aquatic And Terrestrial Plants**

Contains components that are potentially toxic to freshwater and saltwater ecosystems.

**Environmental Fate Information**

Contains components with the potential to bio-accumulate.  
No specific information available.

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Ground UN1133, Adhesives, 3, PGII  
IMDG UN1133, Adhesives, 3, PGII  
IATA UN1133, Adhesives, 3, PGII

**HE574 - BLUESKIN LVC ADHESIVE**

15. Regulatory Information

**SARA Hazard Classes**

Acute Health Hazard  
Chronic Health Hazard  
Fire Hazard

**Ingredient(s) - U.S. Regulatory Information**

hexane  
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**State Regulations**

Warning! May contain trace amounts of chemicals know to the state of California to cause cancer and/or reproductive harm.

**Ingredient(s) - State Regulations**

HEPTANE  
New Jersey - Workplace Hazard  
New Jersey - Special Hazard  
Pennsylvania - Workplace Hazard  
Massachusetts - Hazardous Substance  
New York City - Hazardous Substance

hexane  
New Jersey - Workplace Hazard  
New Jersey - Environmental Hazard  
New Jersey - Special Hazard  
Pennsylvania - Workplace Hazard  
Massachusetts - Hazardous Substance  
New York City - Hazardous Substance

methyl acetate  
New Jersey - Workplace Hazard  
New Jersey - Special Hazard  
Pennsylvania - Workplace Hazard  
Massachusetts - Hazardous Substance  
New York City - Hazardous Substance

**Canadian Regulatory Information**

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: B2 - Flammable Liquid, D2B - Toxic.

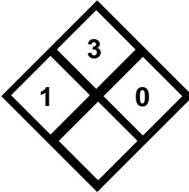
**Ingredient(s) - Canadian Regulatory Information**

hexane  
WHMIS - Ingredient Disclosure List

**WHMIS - Canada (Pictograms)**



## HE574 - BLUESKIN LVC ADHESIVE

<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">*1</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">3</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;">B</td></tr></table>	HEALTH	*1	FLAMMABILITY	3	REACTIVITY	0	PERSONAL PROTECTION	B
HEALTH	*1								
FLAMMABILITY	3								
REACTIVITY	0								
PERSONAL PROTECTION	B								

16. Other Information

**Revision/Preparer Information**

This MSDS Supersedes A Previous MSDS Dated: 10/06/2009

**Disclaimer**

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**HENRY COMPANY**