



MATERIAL SAFETY DATA SHEET

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HE902 - PERMANENT BOND ADHESIVE

1. Product And Company Identification

Supplier HENRY COMPANY 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716 Company Contact: Technical Services Telephone Number: (800) 486-1278 Web Site: www.henry.com www.bakor.com	Manufacturer HENRY COMPANY 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716 Company Contact: Technical Services Telephone Number: (800) 486-1278 Web Site: www.henry.com www.bakor.com
Supplier Emergency Contacts & Phone Number CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666	Manufacturer Emergency Contacts & Phone Number CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666

Issue Date: 06/24/2014

Product Name: HE902 - PERMANENT BOND ADHESIVE
Product Code: HE902

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
1,2,4-trimethylbenzene	95-63-6	0.1 - 1
petroleum asphalt	8052-42-4	45 - 55
attapulgite	12174-11-7	5 - 10
calcium carbonate	1317-65-3	15 - 25
silica, quartz	14808-60-7	0.1 - 1
stoddard solvent	8052-41-3	20 - 30
xylene	1330-20-7	0.1 - 1

EMERGENCY OVERVIEW

WARNING! Combustible Liquid. Central nervous system depressant. Vapor may cause light-headedness, headache, nausea, loss of coordination and respiratory tract irritation. Causes skin irritation.

Appearance/Odor: Black liquid, strong petroleum solvent odor

3. Hazards Identification

Primary Routes(s) Of Entry

Inhalation

Eye Hazards

May cause eye irritation (burning, tearing, redness or swelling).

Skin Hazards

May cause skin irritation and contact dermatitis upon prolonged contact. Dermal sensitization may occur from repeated and prolonged exposures.

Ingestion Hazards

May be harmful if swallowed. May cause gastric distress, vomiting and diarrhea.



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3. Hazards Identification - Continued

Inhalation Hazards

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

Chronic/Carcinogenicity Effects

This product or one of its ingredients present at 0.1% or more is listed as a carcinogen by NTP, IARC or OSHA. See Section 11 (Toxicological Information) for more details.

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 if irritation develops and persists.

Skin

Remove contaminated clothing and shoes. Wash affected areas with soap and water.

Ingestion

Get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim. Call a physician or poison control center immediately.

Inhalation

Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. 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: 105 °F 45.5 °C

Flash Point Method: Closed Cup

Flammability Class: Class II

Lower Explosive Limit: 0.9

Upper Explosive Limit: 6.0

Fire And Explosion Hazards

Combustible Liquid. Vapors are heavier than air and may spread long distances and ignite. Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.

Extinguishing Media

Chemical foam, carbon dioxide (CO2), or dry chemical. Do not use direct stream of water.

Fire Fighting Instructions

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

6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations. Avoid runoff to waterways and sewers. For large spills, contain runoff and recover by pumping with explosion proof equipment.

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 oxidants or strong acids. Use only with adequate ventilation.



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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

Chemical splash goggles or faceshield over safety glasses or goggles recommended.

Skin Protection

Use with chemical-protective gloves to prevent skin contact.

Respiratory Protection

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

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

1,2,4-trimethylbenzene

ACGIH TLV-TWA 25 ppm

petroleum asphalt

OSHA PEL-TWA 5mg/m3

ACGIH TLV-TWA 0.5mg/m3 (Benzene soluble aerosol)

calcium carbonate

OSHA PEL-TWA 15 mg/m3 (total dust)

OSHA PEL-TWA 5 mg/m3 (respirable dust)

silica, quartz

ACGIH TLV-TWA 0.025 mg/m3

OSHA PEL-TWA 30mg/m3 / (%SiO2+2) (total dust)

OSHA PEL-TWA 10 mg/m3/ (%SiO2+2) (respirable dust)

stoddard solvent

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 500 ppm

xylene

ACGIH TLV-STEL 150 ppm

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 100 ppm

9. Physical And Chemical Properties

Appearance

Black liquid

Odor

Strong petroleum solvent odor

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 310-400 °F 154-204 °C

Specific Gravity: 1.11

Percent Volatiles: 25

Vapor Pressure: 2@68°F



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9. Physical And Chemical Properties - Continued

Odor - Continued

Vapor Density: >1

pH Factor: not applicable

Solubility: insoluble in water

Evaporation Rate: <1

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatible Materials

Avoid contact with strong oxidizing agents and acids.

Hazardous Decomposition Products

Toxic and irritating gases, vapors or fumes, carbon monoxide (CO), carbon dioxide (CO₂).

11. Toxicological Information

Chronic/Carcinogenicity

IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): silica, quartz
ACGIH has designated the following chemicals in this product as suspected human carcinogens (A2): silica, quartz
NTP has listed the following chemicals in this product as known human carcinogens: silica, quartz

Risk of cancer depends on duration and level of exposure to this product as a dust or aerosol mist.

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

1,2,4-trimethylbenzene

LD50 (oral, rat): 5000 mg/kg

LC50 (rat): 18 g/m³ (4-hour exposure)

calcium carbonate

oral-rat LD50: 6450 mg/kg

silica, quartz

iv-rat LD50: 500 mg/kg bw/Quartz (10-200 um)

stoddard solvent

oral-rat LD50: >5000 mg/kg

dermal-rabbit LD50: >3000 mg/kg

inhal-rat LC50: >5500 mg/m³ (880 ppm)

inhal-rat LC50: >1300 ppm

xylene

LD50 (oral, rat): 5400 mg/kg


LD50 (dermal, rabbit): 12180 mg/kg

LC50 (rat): 6350 ppm (4-hour exposure)

12. Ecological Information

No specific information available.

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<p>13. Disposal Considerations</p> <p>Dispose in accordance with applicable federal, state and local government regulations.</p>
<p>14. Transport Information</p> <p>Ground or Water Domestic Voyage</p> <p>Not restricted if shipped in containers <450L (119 gallons) Restricted if shipped in containers >450L (119 gallons)</p> <p>US NA1993, Combustible liquid, n.o.s., (Petroleum Distillates mixture), Combustible liquid, III</p> <p>Canada UN1999, Tars liquid, 3, III</p> <p>Unless departs >flash point:</p> <p>Both UN3256, Elevated Temperature liquid, flammable, n.o.s., (Petroleum Distillates mixture), 3, III</p> <p>IMDG IMDG Code 2.3.2.5 - exempted from marking, labeling & testing of packages</p> <p>IATA UN1999, Tars liquid, 3, III</p> <p><u>DOT (Pictograms)</u></p> 
<p>15. Regulatory Information</p> <p><u>U.S. Regulatory Information</u></p> <p>Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.</p> <p><u>Ingredient(s) - U.S. Regulatory Information</u></p> <p>1,2,4-trimethylbenzene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical</p> <p>xylene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical</p> <p><u>Ingredient(s) - State Regulations</u></p> <p>1,2,4-trimethylbenzene New Jersey - Workplace Hazard New Jersey - Environmental Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance</p> <p>petroleum asphalt California - Proposition 65</p> <p>attapulgate California - Proposition 65</p> <p>calcium carbonate Pennsylvania - Workplace Hazard</p> <p>silica, quartz New Jersey - Workplace Hazard Pennsylvania - Workplace Hazard</p>

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15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

California - Proposition 65
 Massachusetts - Hazardous Substance
 stoddard solvent
 New Jersey - Workplace Hazard
 Pennsylvania - Workplace Hazard
 Massachusetts - Hazardous Substance
 New York City - Hazardous Substance
 xylene
 New Jersey - Workplace Hazard
 New Jersey - Environmental Hazard
 New Jersey - Special Hazard
 Pennsylvania - Workplace Hazard
 Pennsylvania - Environmental Hazard
 Massachusetts - Hazardous Substance
 New York City - Hazardous Substance

Canadian Regulatory Information

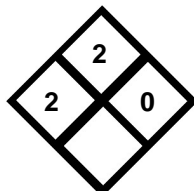
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: B3 - Combustible Liquid, D2A - Very Toxic

Ingredient(s) - Canadian Regulatory Information

1,2,4-trimethylbenzene
 WHMIS - Ingredient Disclosure List
 silica, quartz
 WHMIS - Ingredient Disclosure List
 stoddard solvent
 WHMIS - Ingredient Disclosure List

WHMIS - Canada (Pictograms)



<u>NFPA</u>	<u>HMIS</u>
	HEALTH <input type="text" value="2"/>
	FLAMMABILITY <input type="text" value="2"/>
	REACTIVITY <input type="text" value="0"/>
	PERSONAL PROTECTION <input type="text"/>

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 02/25/2011

Disclaimer

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Disclaimer - Continued

for their particular purposes(s).