



# MATERIAL SAFETY DATA SHEET

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## HE203 - ROLL ROOFING ADHESIVE

1. Product And Company Identification			
<b>Supplier</b> HENRY COMPANY 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716  <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 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716  <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> 02/25/2011  <b>Product Name:</b> HE203 - ROLL ROOFING ADHESIVE <b>Product Code:</b> HE203			
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 - 65
attapulgite		12174-11-7	5 - 10
calcium carbonate		1317-65-3	5 - 10
silica, quartz		14808-60-7	0.1 - 1
stoddard solvent		8052-41-3	20 - 30
xylene		1330-20-7	0.1 - 1
EMERGENCY OVERVIEW			
<b>WARNING! Combustible Liquid. Central nervous system depressant. Vapor may cause light-headedness, headache, nausea, loss of coordination and respiratory tract irritation. Causes skin irritation.</b>			
<b>Appearance/Odor: Black liquid, strong petroleum solvent odor</b>			
3. Hazards Identification			
<b>Primary Routes(s) Of Entry</b> Inhalation			
<b>Eye Hazards</b> May cause eye irritation (burning, tearing, redness or swelling).			
<b>Skin Hazards</b> May cause skin irritation and contact dermatitis upon prolonged contact. Dermal sensitization may occur from repeated and prolonged exposures.			



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3. Hazards Identification - Continued

**Ingestion Hazards**

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

**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.



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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.

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/m<sup>3</sup>

ACGIH TLV-TWA 0.5mg/m<sup>3</sup> (Benzene soluble aerosol)

calcium carbonate

OSHA PEL-TWA 15 mg/m<sup>3</sup> (total dust)

OSHA PEL-TWA 5 mg/m<sup>3</sup> (respirable dust)

silica, quartz

ACGIH TLV-TWA 0.025 mg/m<sup>3</sup>

OSHA PEL-TWA 30mg/m<sup>3</sup> / (%SiO<sub>2</sub>+2) (total dust)

OSHA PEL-TWA 10 mg/m<sup>3</sup>/ (%SiO<sub>2</sub>+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



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9. Physical And Chemical Properties - Continued

**Odor - Continued**

**Chemical Type:** Mixture  
**Physical State:** Liquid  
**Boiling Point:** 310-400 °F 154-204 °C  
**Specific Gravity:** 1.01  
**Percent Volatiles:** 37.9  
**Vapor Pressure:** 2@68°F  
**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)

**HE203 - ROLL ROOFING ADHESIVE**

12. Ecological Information  
 No specific information available.

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

14. Transport Information

Ground or Water Domestic Voyage

Not restricted if shipped in containers <450L (119 gallons)  
 Restricted if shipped in containers >450L (119 gallons)

US NA1993, Combustible liquid, n.o.s., (Petroleum Distillates mixture), Combustible liquid, III

Canada UN1999, Tars liquid, 3, III

Unless departs >flash point:

Both UN3256, Elevated Temperature liquid, flammable, n.o.s., (Petroleum Distillates mixture), 3, III

IMDG IMDG Code 2.3.2.5 - exempted from marking, labeling & testing of packages

IATA UN1999, Tars liquid, 3, III

**DOT (Pictograms)**



15. Regulatory Information

**U.S. Regulatory Information**

Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.

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

1,2,4-trimethylbenzene  
 SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

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

**Ingredient(s) - State Regulations**

1,2,4-trimethylbenzene  
 New Jersey - Workplace Hazard  
 New Jersey - Environmental Hazard  
 Massachusetts - Hazardous Substance  
 New York City - Hazardous Substance

petroleum asphalt  
 California - Proposition 65

attapulgit  
 California - Proposition 65

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15. Regulatory Information - Continued

**Ingredient(s) - State Regulations - Continued**

calcium carbonate

Pennsylvania - Workplace Hazard

silica, quartz

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

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

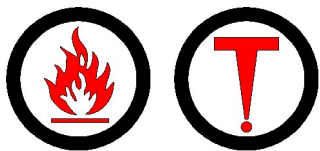
silica, quartz

WHMIS - Ingredient Disclosure List

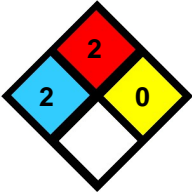
stoddard solvent

WHMIS - Ingredient Disclosure List

**WHMIS - Canada (Pictograms)**



### HE203 - ROLL ROOFING ADHESIVE

<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">2</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">2</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;"><input type="text"/></td></tr></table>	HEALTH	2	FLAMMABILITY	2	REACTIVITY	0	PERSONAL PROTECTION	<input type="text"/>
HEALTH	2								
FLAMMABILITY	2								
REACTIVITY	0								
PERSONAL PROTECTION	<input type="text"/>								

16. Other Information

**Revision/Preparer Information**

This MSDS Supersedes A Previous MSDS Dated: 03/04/2008

**Disclaimer**

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