



# MATERIAL SAFETY DATA SHEET

Page 1 of 7

## HE204 - PLASTIC ROOF CEMENT

1. Product And Company Identification	
<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	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC: (800) 424-9300
<b>Issue Date:</b> 03/04/2007 <b>Supersedes MSDS Dated:</b> 10/12/2006  <b>Product Name:</b> HE204 - PLASTIC ROOF CEMENT <b>Product Code:</b> HE204	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
(+)-PHENDIMETRAZINE			
1,2,4-trimethylbenzene	95-63-6		1 - 5
1,3,5-trimethylbenzene	108-67-8		1 - 5
aromatic petroleum distillates	64742-95-6		5 - 10
petroleum asphalt	8052-42-4		30 - 60
attapulgite	12174-11-7		5 - 10
calcium carbonate	1317-65-3		7 - 13
carbon black	1333-86-4		0 - 1
cellulose fiber	9004-34-6		7 - 13
kaolin	1332-58-7		10 - 30
silica, quartz	14808-60-7		0.5 - 1.5
stoddard solvent	8052-41-3		10 - 30
titanium dioxide	13463-67-7		0.1 - 1
xylene	1330-20-7		0.1 - 1

### EMERGENCY OVERVIEW

**CAUTION! 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 paste, strong petroleum solvent odor**

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.



HE204 - PLASTIC ROOF CEMENT

<p>3. Hazards Identification - Continued</p> <p><b><u>Ingestion Hazards</u></b> May be harmful if swallowed. May cause gastric distress, vomiting and diarrhea.</p> <p><b><u>Inhalation Hazards</u></b> 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.</p> <p><b><u>Chronic/Carcinogenicity Effects</u></b> 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.</p>
<p>4. First Aid Measures</p> <p><b><u>Eye</u></b> 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.</p> <p><b><u>Skin</u></b> Remove contaminated clothing and shoes. Wash affected areas with soap and water.</p> <p><b><u>Ingestion</u></b> 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.</p> <p><b><u>Inhalation</u></b> Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.</p>
<p>5. Fire Fighting Measures</p> <p><b>Flash Point:</b> 120 °F <b>Flash Point Method:</b> Setaflash <b>Lower Explosive Limit:</b> 0.9 <b>Upper Explosive Limit:</b> 6.0</p> <p><b><u>Fire And Explosion Hazards</u></b> Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.</p> <p><b><u>Extinguishing Media</u></b> Chemical foam, carbon dioxide (CO2), water fog or dry chemical.</p> <p><b><u>Fire Fighting Instructions</u></b> Firefighters should wear self-contained breathing apparatus and full protective gear.</p>
<p>6. Accidental Release Measures</p> <p>Collect and dispose in accordance with applicable regulations.</p>
<p>7. Handling And Storage</p> <p><b><u>Handling And Storage Precautions</u></b> Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Do not handle or store near strong oxidants or strong acids. Use only with adequate ventilation.</p>
<p>8. Exposure Controls/Personal Protection</p> <p><b><u>Engineering Controls</u></b> 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.</p>

**HE204 - PLASTIC ROOF CEMENT**

8. Exposure Controls/Personal Protection - Continued

**Eye/Face Protection**

Safety glasses with side shields or goggles recommended.

**Skin Protection**

Use with chemical-protective gloves 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**

1,2,4-trimethylbenzene

ACGIH TLV-TWA 25 ppm

1,3,5-trimethylbenzene

ACGIH TLV-TWA 25 ppm

aromatic petroleum distillates

OSHA PEL-TWA 500 ppm

petroleum asphalt

ACGIH TLV-TWA 0.5 mg/m<sup>3</sup> (inhalable fraction, as 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)

carbon black

ACGIH TLV-TWA 3.5 mg/m<sup>3</sup>

OSHA PEL-TWA 3.5 mg/m<sup>3</sup>

cellulose fiber

ACGIH TLV-TWA 10 mg/m<sup>3</sup>

kaolin

ACGIH TLV-TWA 2 mg/m<sup>3</sup>

OSHA PEL-TWA 15 mg/m<sup>3</sup>

OSHA PEL-TWA 5 mg/m<sup>3</sup>

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

titanium dioxide

ACGIH TLV-TWA 10 mg/m<sup>3</sup> (respirable)

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

xylene

ACGIH TLV-STEL 150 ppm

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 100 ppm



HE204 - PLASTIC ROOF CEMENT

<p>9. Physical And Chemical Properties</p> <p><b>Appearance</b> Black Paste</p> <p><b>Odor</b> Strong Petroleum Solvent Odor</p> <p><b>Chemical Type:</b> Mixture <b>Physical State:</b> Liquid <b>Boiling Point:</b> 310-400 °F <b>Specific Gravity:</b> 1.18 <b>Percent Volatiles:</b> 25 <b>Vapor Pressure:</b> 2@68°F <b>Vapor Density:</b> &gt;1 <b>pH Factor:</b> not applicable <b>Solubility:</b> insoluble in water <b>Evaporation Rate:</b> &lt;1</p>
<p>10. Stability And Reactivity</p> <p><b>Stability:</b> Stable <b>Hazardous Polymerization:</b> Will not occur</p> <p><b>Incompatible Materials</b> Avoid contact with strong oxidizing agents and acids.</p> <p><b>Hazardous Decomposition Products</b> Toxic and irritating gases, vapors or fumes, carbon monoxide (CO), carbon dioxide (CO2).</p>
<p>11. Toxicological Information</p> <p><b>Chronic/Carcinogenicity</b> IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): silica, quartz IARC has concluded that the following chemicals in this product are possibly carcinogenic to humans (Group 2B): titanium dioxide; carbon black 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</p> <p>Risk of cancer depends on duration and level of exposure to this product as a dust.</p> <p><b>Miscellaneous Toxicological Information</b> Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.</p> <p><b>Ingredient(s) - Toxicological Data</b> 1,2,4-trimethylbenzene LD50 (oral, rat): 5000 mg/kg LC50 (rat): 18 g/m3 (4-hour exposure) 1,3,5-trimethylbenzene Lethal dose (oral, rat): 23 g/kg lethal to 7 of 10 test animals LC50 (rat): 24 g/m3 (4-hour exposure) aromatic petroleum distillates LD50 (oral, rat): 2900 mg/kg calcium carbonate oral-rat LD50: 6450 mg/kg carbon black</p>



HE204 - PLASTIC ROOF CEMENT

11. Toxicological Information - Continued

**Ingredient(s) - Toxicological Data - Continued**

rat LC50: 6750 mg/m3 4-hr exposure  
cellulose fiber  
LD50 (oral, rat): >2000 mg/kg  
LC50 (rat): >5800 mg/m3 (4-hour exposure)  
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.

13. Disposal Considerations

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

14. Transport Information

**Proper Shipping Name**

Combustible Liquid, N.O.S. (petroleum distillates)

**Hazard Class**

Combustible Liquid

**DOT Identification Number**

NA1993

**DOT Shipping Label**

Combustible Liquid

**Packaging Requirements**

PGiii  
USDOT Regulated for Bulk Container (>119 gallons) only

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



HE204 - PLASTIC ROOF CEMENT

15. Regulatory Information - Continued

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

- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- Massachusetts - Hazardous Substance
- New York City - Hazardous Substance
- 1,3,5-trimethylbenzene
  - New Jersey - Workplace Hazard
  - Massachusetts - Hazardous Substance
  - New York City - Hazardous Substance
- aromatic petroleum distillates
  - New Jersey - Workplace Hazard
  - Pennsylvania - Workplace Hazard
- petroleum asphalt
  - New Jersey - Workplace Hazard
  - Pennsylvania - Workplace Hazard
  - Massachusetts - Hazardous Substance
  - New York City - Hazardous Substance
- attapulgit
  - California - Proposition 65
- calcium carbonate
  - Pennsylvania - Workplace Hazard
- carbon black
  - New Jersey - Workplace Hazard
  - Pennsylvania - Workplace Hazard
  - California - Proposition 65
  - Massachusetts - Hazardous Substance
- cellulose fiber
  - Pennsylvania - Workplace Hazard
- kaolin
  - 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
- titanium dioxide
  - New Jersey - Workplace Hazard
  - Pennsylvania - Workplace Hazard
  - 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

**HE204 - PLASTIC ROOF CEMENT**

15. Regulatory Information - Continued

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

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

1,3,5-trimethylbenzene

WHMIS - Ingredient Disclosure List

carbon black

WHMIS - Ingredient Disclosure List

silica, quartz

WHMIS - Ingredient Disclosure List

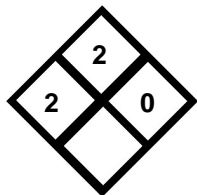
stoddard solvent

WHMIS - Ingredient Disclosure List

**WHMIS - Canada (Pictograms)**



**NFPA**



**HMS**

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	

16. Other Information

**Revision/Preparer Information**

This MSDS Supersedes A Previous MSDS Dated: 10/12/2006

Disclaimer

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