



# MATERIAL SAFETY DATA SHEET

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## PR550 - ALUMINUM ROOF COATING

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 www.bakor.com	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666
<b>Issue Date:</b> 03/04/2008 <b>Supersedes MSDS Dated:</b> 04/13/2006  <b>Product Name:</b> PR550 - ALUMINUM ROOF COATING <b>Product Code:</b> PR550	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
1,2,4-trimethylbenzene	95-63-6		1 - 7
1,3,5-trimethylbenzene	108-67-8		1 - 5
aluminum	7429-90-5		7 - 13
aromatic petroleum distillates	64742-95-6		0 - 10
petroleum asphalt	mixture		30 - 60
cellulose fiber	9004-34-6		3 - 7
cumene	98-82-8		0 - 0.5
stoddard solvent	8052-41-3		30 - 60
xylylene	1330-20-7		0.5 - 5

EMERGENCY OVERVIEW	
<b>CAUTION! 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 with silver pigment, 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.
<b>Ingestion Hazards</b> May be harmful if swallowed.
<b>Inhalation Hazards</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.



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3. Hazards Identification - Continued
<b>Chronic/Carcinogenicity Effects</b> 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
<b>Eye</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.
<b>Skin</b> Remove contaminated clothing and shoes. Wash affected areas with soap and water.
<b>Ingestion</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.
<b>Inhalation</b> Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Note To Physician</b> 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
<b>Flash Point:</b> 105 °F <b>Flash Point Method:</b> Setaflash <b>Lower Explosive Limit:</b> 0.9 <b>Upper Explosive Limit:</b> 6.0
<b>Fire And Explosion Hazards</b> 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.
<b>Extinguishing Media</b> Chemical foam, carbon dioxide (CO2), or dry chemical. Do not use direct stream of water.
<b>Fire Fighting Instructions</b> 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
<b>Handling And Storage Precautions</b> 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

1,3,5-trimethylbenzene

ACGIH TLV-TWA 25 ppm

aluminum

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

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

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

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)

cellulose fiber

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

cumene

ACGIH TLV-TWA 50 ppm

OSHA PEL-TWA 50 ppm (Skin)

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 with silver pigment

**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  
**Specific Gravity:** 0.90  
**Percent Volatiles:** 48  
**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 of aluminum, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

## 11. Toxicological Information

**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/m<sup>3</sup> (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/m<sup>3</sup> (4-hour exposure)

aromatic petroleum distillates

LD50 (oral, rat): 2900 mg/kg

cellulose fiber

LD50 (oral, rat): >2000 mg/kg

LC50 (rat): >5800 mg/m<sup>3</sup> (4-hour exposure)

cumene

LD50 (oral, rat): 1.4 g/kg

LD50 (dermal, rabbit): 10627 mg/kg

LC50 (inhalation, rat): 39 mg/L (8000 ppm); 4-hr exposure

stoddard solvent

oral-rat LD50: >5000 mg/kg

dermal-rabbit LD50: >3000 mg/kg

inhal-rat LC50: >5500 mg/m<sup>3</sup> (880 ppm)


inhal-rat LC50: >1300 ppm

xylene

LD50 (oral, rat): 5400 mg/kg

LD50 (dermal, rabbit): 12180 mg/kg

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11. Toxicological Information - Continued
<b><u>Ingredient(s) - Toxicological Data - Continued</u></b> 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
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   UN1999, Tars liquid, 3, III  IATA    UN1999, Tars liquid, 3, III
<b><u>DOT (Pictograms)</u></b>

15. Regulatory Information
<b><u>U.S. Regulatory Information</u></b> Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.  <b><u>Ingredient(s) - U.S. Regulatory Information</u></b> 1,2,4-trimethylbenzene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical aluminum SARA Title III - Section 313 Form "R"/TRI Reportable Chemical cumene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical xylene SARA Title III - Section 313 Form "R"/TRI Reportable Chemical  <b><u>Ingredient(s) - State Regulations</u></b> 1,2,4-trimethylbenzene

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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
- aluminum
  - New Jersey - Workplace Hazard
  - New Jersey - Environmental Hazard
  - Pennsylvania - Workplace Hazard
  - Pennsylvania - Environmental 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
- cellulose fiber
  - Pennsylvania - Workplace Hazard
- cumene
  - New Jersey - Workplace Hazard
  - New Jersey - Environmental Hazard
  - New Jersey - Special Hazard
  - Pennsylvania - Workplace Hazard
  - Massachusetts - Hazardous Substance
  - New York City - 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, D2B - Toxic

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15. Regulatory Information - Continued

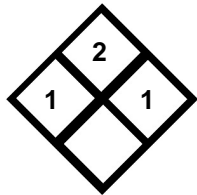
**Ingredient(s) - Canadian Regulatory Information**

1,2,4-trimethylbenzene  
 WHMIS - Ingredient Disclosure List  
 1,3,5-trimethylbenzene  
 WHMIS - Ingredient Disclosure List  
 cumene  
 WHMIS - Ingredient Disclosure List  
 stoddard solvent  
 WHMIS - Ingredient Disclosure List

**WHMIS - Canada (Pictograms)**



**NFPA**



**HMIS**

HEALTH	1
FLAMMABILITY	2
REACTIVITY	1
PERSONAL PROTECTION	

16. Other Information

**Revision/Preparer Information**

This MSDS Supersedes A Previous MSDS Dated: 04/13/2006

Disclaimer

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