



MATERIAL SAFETY DATA SHEET

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Permax 120-CA

1. Product And Company Identification

Manufacturer

HENRY COMPANY
2270 Castle Harbor Place
Ontario, CA 91761

Company Contact: Technical Services
Telephone Number: 800-486-1278
Web Site: www.resintechnology.com

Manufacturer Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300

Issue Date: 10/26/2006

Product Name: Permax 120-CA
MSDS Number: 27

Product/Material Uses

Roof Mastic Coating

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
1,2-propylene glycol	57-55-6	1 - 5
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	0.1 - 1.5
acrylic polymer blend	not avail.	15 - 40
titanium dioxide	13463-67-7	7 - 13
zinc oxide (as zinc)	1314-13-2	1 - 5
inert ingredients		<Balance>

EMERGENCY OVERVIEW

CAUTION. Direct skin and eye contact may cause irritation. Ingestion may cause gastric distress. Inhalation may cause irritation to the respiratory tract.

3. Hazards Identification

Primary Routes(s) Of Entry

Skin Contact

Eye Hazards

May cause eye irritation.

Skin Hazards

None expected, however, prolonged contact may cause irritation.

Ingestion Hazards

May cause gastric distress, vomiting and diarrhea.

Inhalation Hazards

None expected, however, certain individuals may experience minor nausea or headaches. Breathing airborne particles or dust from misting, spraying, sanding, grinding, etc. may cause irritation to respiratory tract.

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3. Hazards Identification - Continued

Chronic/Carcinogenicity Effects

This product contains titanium dioxide which is classified by IARC as a possible human carcinogen (Class 2B). None of the other 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 if irritation develops and persists.

Skin

Remove contaminated clothing and shoes. Wash affected areas with soap and water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

Give two glasses of water for dilution. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Call a physician or a poison control center immediately.

Inhalation

Remove the person from the contaminated area to fresh air. Contact a physician if symptoms develop.

5. Fire Fighting Measures

Flash Point Method: non-flammable

Fire And Explosion Hazards

Product is not considered flammable or combustible. Products of combustion include compounds of carbon, hydrogen, oxygen, aluminium and zinc, including carbon monoxide.

Extinguishing Media

Carbon dioxide, water, water fog, dry chemical, chemical foam.

Fire Fighting Instructions

Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose.

7. Handling And Storage

Handling And Storage Precautions

Keep containers tightly closed. Protect from physical damage. Protect from extreme temperatures. Keep out of reach of children.

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation.

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Use with chemical-protective gloves to prevent excessive 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

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8. Exposure Controls/Personal Protection - Continued

Respiratory Protection - Continued

particulate filter or supplied air respirator. Use NIOSH-approved respirator to remove airborne particulate present in excess of maximum allowable concentrations due to secondary operations such as mixing, spraying, sanding, buffing, etc.

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

Ingredient(s) - Exposure Limits

titanium dioxide

ACGIH TLV-TWA 10 mg/m³ (respirable)

OSHA PEL-TWA 15 mg/m³ (total dust)

zinc oxide (as zinc)

ACGIH TLV-STEL 10 mg/m³

ACGIH TLV-TWA 2 mg/m³

OSHA PEL-TWA 5 mg/m³

OSHA PEL-TWA 15 mg/m³

9. Physical And Chemical Properties

Appearance

White pigmented liquid.

Odor

Slight characteristic acrylic odor.

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: >212 °F

Specific Gravity: 1.25 @ 20°C

Vapor Pressure: 17 mm Hg @ 20°C

Vapor Density: >1

pH Factor: no data

Solubility: dilutable

Evaporation Rate: <1

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Extreme temperatures

Incompatible Materials

Strong oxidizers, strong acids

Hazardous Decomposition Products

Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, aluminum and zinc fumes and smoke may be produced.

Conditions To Avoid (Polymerization)

none

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.

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11. Toxicological Information - Continued

Ingredient(s) - Toxicological Data

1,2-propylene glycol
Oral-rat LD50: 20000 mg/kg
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate
Oral-rat LD50: 6517 mg/kg
Inhal-rat LD50: 6h: >3.55 mg/L
zinc oxide (as zinc)
Oral-mouse LD50: 7950 mg/kg
Inhal-mouse LC50: 2500 mg/m³

12. Ecological Information

Do not allow into any sewer, on the ground, or into any body of water.

13. Disposal Considerations

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

14. Transport Information

Not Regulated - Resin Compound

15. Regulatory Information

SARA Hazard Classes

Acute Health Hazard

Ingredient(s) - U.S. Regulatory Information

zinc oxide (as zinc)
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

Ingredient(s) - State Regulations

titanium dioxide
New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
New York City - Hazardous Substance
zinc oxide (as zinc)
New Jersey - Workplace Hazard
New Jersey - Environmental Hazard
Pennsylvania - Workplace Hazard
Pennsylvania - Environmental Hazard

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: D2A - Very Toxic

Ingredient(s) - Canadian Regulatory Information

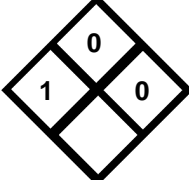
1,2-propylene glycol
WHMIS - Ingredient Disclosure List
zinc oxide (as zinc)
WHMIS - Ingredient Disclosure List

WHMIS - Canada (Pictograms)



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<u>NFPA</u>	<u>HMIS</u>
	HEALTH <input type="text" value="1"/>
	FLAMMABILITY <input type="text" value="0"/>
	REACTIVITY <input type="text" value="0"/>
	PERSONAL PROTECTION <input type="text"/>

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 04/20/2004

Disclaimer

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HENRY COMPANY