



MATERIAL SAFETY DATA SHEET

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AP150 TRI-BUILT FLASHING CEMENT

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| 1. Product And Company Identification | |
| <u>Supplier</u> TRI-BUILT Roofing Products 15 East Union Avenue PO Box 511 East Rutherford, NJ 07073 Telephone Number: 800-516-1485 | <u>Manufacturer</u> TRI-BUILT Roofing Products 15 East Union Avenue PO Box 511 East Rutherford, NJ 07073 Telephone Number: 800-516-1485 |
| <u>Supplier Emergency Contacts & Phone Number</u> CHEMTREC: 800-424-9300 | <u>Manufacturer Emergency Contacts & Phone Number</u> CHEMTREC: 800-424-9300 |
| Issue Date: 03/04/2008 Product Name: AP150 TRI-BUILT FLASHING CEMENT | |

| 2. Composition/Information On Ingredients | | | |
|--|------------|--|-------------------------|
| Ingredient Name | CAS Number | | Percent Of Total Weight |
| 1,2,4-trimethylbenzene | 95-63-6 | | 0.5 - 1.5 |
| 1,3,5-trimethylbenzene | 108-67-8 | | 0.5 - 1.5 |
| petroleum asphalt | 8052-42-4 | | 30 - 60 |
| attapulgite | 12174-11-7 | | 5 - 10 |
| calcium carbonate | 1317-65-3 | | 15 - 40 |
| cellulose fiber | 9004-34-6 | | 5 - 10 |
| silica, quartz | 14808-60-7 | | 0.5 - 1.5 |
| stoddard solvent | 8052-41-3 | | 10 - 30 |
| xylene | 1330-20-7 | | 0.1 - 1 |

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| 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 |

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| 3. Hazards Identification |
| <u>Primary Routes(s) Of Entry</u> Inhalation |
| <u>Eye Hazards</u> May cause eye irritation (burning, tearing, redness or swelling). |
| <u>Skin Hazards</u> May cause skin irritation and contact dermatitis upon prolonged contact. |
| <u>Ingestion Hazards</u> May be harmful if swallowed. May cause gastric distress, vomiting and diarrhea. |
| <u>Inhalation Hazards</u> 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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| <p>3. Hazards Identification - Continued</p> <p><u>Chronic/Carcinogenicity Effects</u> 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><u>Eye</u> 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><u>Skin</u> Remove contaminated clothing and shoes. Wash affected areas with soap and water.</p> <p><u>Ingestion</u> 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><u>Inhalation</u> 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>Flash Point: 120 °F Flash Point Method: Setaflash Lower Explosive Limit: 0.9 Upper Explosive Limit: 6.0</p> <p><u>Fire And Explosion Hazards</u> 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.</p> <p><u>Extinguishing Media</u> Chemical foam, carbon dioxide (CO2), or dry chemical. Do not use direct stream of water.</p> <p><u>Fire Fighting Instructions</u> 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><u>Handling And Storage Precautions</u> 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.</p> |
| <p>8. Exposure Controls/Personal Protection</p> <p><u>Engineering Controls</u> 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> <p><u>Eye/Face Protection</u> Safety glasses with side shields or goggles recommended.</p> |



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8. Exposure Controls/Personal Protection - Continued

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
- petroleum asphalt
ACGIH TLV-TWA 0.5 mg/m3 (inhalable fraction, as benzene-soluble aerosol)
- calcium carbonate
OSHA PEL-TWA 15 mg/m3 (total dust)
OSHA PEL-TWA 5 mg/m3 (respirable dust)
- cellulose fiber
ACGIH TLV-TWA 10 mg/m3
- 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 Paste

Odor

Strong Petroleum Solvent Odor

- Chemical Type:** Mixture
- Boiling Point:** 310-400 °F
- Specific Gravity:** 1.23
- Vapor Pressure:** 2@68°F
- Vapor Density:** >1
- pH Factor:** not applicable
- Solubility:** insoluble in water
- Evaporation Rate:** <1



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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.

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)

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)

calcium carbonate

oral-rat LD50: 6450 mg/kg

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.

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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 Canada UN1999, Tars liquid, 3, III</p> <p>Unless departs >flash point: 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 IATA UN1999, Tars liquid, 3, III</p> <p>DOT (Pictograms)</p>  |
| <p>15. Regulatory Information</p> <p>U.S. Regulatory Information</p> <p>Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.</p> <p>Ingredient(s) - U.S. Regulatory Information</p> <p>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</p> <p>Ingredient(s) - State Regulations</p> <p>1,2,4-trimethylbenzene New Jersey - Workplace Hazard New Jersey - Environmental Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance</p> <p>1,3,5-trimethylbenzene New Jersey - Workplace Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance</p> <p>petroleum asphalt New Jersey - Workplace Hazard Pennsylvania - Workplace Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance</p> <p>attapulgit California - Proposition 65</p> <p>calcium carbonate Pennsylvania - Workplace Hazard</p> |

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15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

- cellulose fiber
 - 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

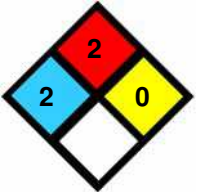
Ingredient(s) - Canadian Regulatory Information

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

WHMIS - Canada (Pictograms)



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| NFPA  | HMIS <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: 07/17/2007

Disclaimer

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