MATERIAL SAFETY DATA SHEET

AP400 TRI-BUILT MOD BIT ADHES- TROWEL GRADE

1. Product And Company Identification

Supplier	Manufacturer
TRI-BUILT Roofing Products **15 East Union Avenue** **PO Box 511** **East Rutherford, NJ 07073** **Telephone Number:** 800-516-1485	**TRI-BUILT Roofing Products** **15 East Union Avenue** **PO Box 511** **East Rutherford, NJ 07073** **Telephone Number:** 800-516-1485
Supplier Emergency Contacts & Phone Number **CHEMTREC: 800-424-9300**	**Manufacturer Emergency Contacts & Phone Number** **CHEMTREC: 800-424-9300**

Issue Date: 03/04/2008

Product Name: AP400 TRI-BUILT MOD BIT ADHES- TROWEL GRADE

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
1,2,4-trimethylbenzene	95-63-6		1 - 5
1,3,5-trimethylbenzene	108-67-8		1 - 5
aromatic petroleum distillates	64742-95-6		3 - 7
petroleum asphalt	8052-42-4		40 - 70
attapulgite	12174-11-7		7 - 13
calcium carbonate	1317-65-3		7 - 13
cellulose fiber	9004-34-6		3 - 7
diatomaceous earth, uncalcined	61790-53-2		1 - 5
silica, quartz	14808-60-7		0.5 - 1.5
stoddard solvent	8052-41-3		10 - 30
xylene	1330-20-7		0.5 - 1.5

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 liquid, aromatic solvent odor

3. Hazards Identification

Primary Routes(s) Of Entry

Inhalation

Eye Hazards

May cause eye irritation (burning, tearing, redness or swelling).

Skin Hazards

May cause skin irritation and contact dermatitis upon prolonged contact.

Ingestion Hazards

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

3. Hazards Identification - Continued

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
Flash Point Method: Setaflash
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.

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

Safety glasses with side shields 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

aromatic petroleum distillates
- OSHA PEL-TWA 500 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

diatomaceous earth, uncalcined
- OSHA PEL-TWA 80mg/m3 / (%SiO2)

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 Liquid

9. Physical And Chemical Properties - Continued

Odor
Aromatic Solvent Odor

Chemical Type: Mixture
Boiling Point: 310-400 °F
Specific Gravity: 1.22
Percent Volatiles: 25
Vapor Pressure: 2@68ºF
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)
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
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)

11. Toxicological Information - Continued

Ingredient(s) - Toxicological Data - Continued

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

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

15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

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

attapulgite
California - Proposition 65

calcium carbonate
Pennsylvania - Workplace Hazard

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

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15. Regulatory Information - Continued

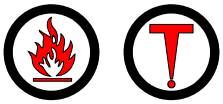
Ingredient(s) - Canadian Regulatory Information - Continued

WHMIS - Ingredient Disclosure List

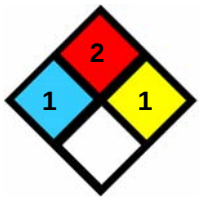
stoddard solvent

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: 07/17/2007

Disclaimer

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