



MATERIAL SAFETY DATA SHEET

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| Manufacturer: S.T.A.R., INC. | Emergency Phone No. CHEM-TEL 800-255-3924 |
| 1150 Milepost Dr. | Information Phone No. 614-870-0744 |
| Columbus, Ohio 43228 | Effective Date 6/15/06 |
| | Supersedes Date 5/13/03 |

SECTION I - IDENTIFICATION

Product Name: STAR ELASTO-BOND, HOT POUR CRACK FILLER, D-3405

Chemical Family - Asphalt based crack filler.
Chemical Name - Proprietary
Prepared by - G.C. Dubey

H.M.I.S
 Health = 1
 Fire = 1
 Reactivity = 0

SECTION II – INGREDIENTS & HAZARDS

| Ingredients | WT% | Exposure Limits | | |
|---|-------|---|---------------------|------|
| | | OSHA | | |
| | | PEL | TWA | |
| PETROLEUM ASPHALT | 50-55 | 15 mg/m3 (total) | 5 mg/m3 | |
| The dried film of this product may create dust when removed by sanding or grinding. | | 5 mg/m3 (Respirable) | | |
| | | ACGIH | | |
| | | TLV | TWA | |
| | | 5 mg/m3 (total) 5mg/m3 (total) | | |
| PETROLEUM OIL | 5-10 | TWA | TLV | STEL |
| | | 5 mg/m3 5 mg/m3 10 mg/m3 (Mineral oil mist for all of above) | | |
| | | OSHA | | |
| | | PEL | TWA | |
| LIMESTONE | 20-25 | 15 mg/m3 (total) | 5 mg/m3 10 mg/m3 | |
| | | 5 mg/m3 (Respirable) | | |
| | | ACGIH | | |
| | | TLV | TWA | |
| CARBON BLACK | 1-5 | 3.5 mg/m3 3.5 mg/m3 | | |

SECTION III - PHYSICAL DATA

| <u>Boiling Point</u> | <u>Vapor Pressure</u> (mm Hg) | <u>Vapor Density</u> (Air=1) | <u>Appearance</u> |
|--|-----------------------------------|---------------------------------|-------------------------------------|
| Over 750 °F | approx. 25 | >1.0 | Black solid cube with asphalt odor. |
| <u>Evaporation Rate</u> (Water=1) | <u>Specific Gravity</u> by wt. | <u>% Volatile</u> | <u>Freezing Point</u> |
| <1 | 1.1 | 90-95 | Not applicable |
| <u>Miscibility With Water</u> Coefficient | <u>Threshold Odor</u> ppm | <u>pH</u> | <u>Water/Oil Distribution</u> |
| None | N/A | N/A | N/A |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| <u>Flammability Classification</u> | <u>Flash Point</u> (method used) | <u>Flammable Limits</u> | |
|------------------------------------|-------------------------------------|-------------------------|-----|
| | | LEL | UEL |
| HMIS Rating- 1 | 450 F /PMCC | N/A | N/A |

Extinguishing Media

Water fog, Foam, Dry Chemicals & CO2.

Unusual Fire and Explosion Hazards: None recognized.

Special Fire Fighting Procedures: Clear fire area of unprotected personnel. Do not enter confined area without helmet, face shield, bunker coat, gloves, rubber boots, and a self-contained breathing apparatus (SCUBA)

SECTION V- REACTIVITY DATA

| <u>Stability</u> | <u>Incompatibility (materials to avoid)</u> |
|------------------|---|
| Stable | Strong oxidizing agents and strong acids. |

Hazardous Polymerization- Will not occur.
Hazardous Decomposition Products- Oxides and compounds of Nitrogen and Sulfur, carbon monoxide, carbon dioxide, incomplete combustion products. Wear appropriate protective equipment

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