



MATERIAL SAFETY DATA SHEET

Material Safety Data Sheet – OSHA 174

May be used to comply with OSHA's Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072

Manufacturer: S.T.A.R., INC.
1150 Milepost Dr.
Columbus, Ohio 43228

Emergency Phone No. CHEM-TEL 800-255-3924

Information Phone No. 614-870-0744

Effective Date 6.15.2007

Supersedes Date

SECTION I - IDENTIFICATION

Product Name: STAR ELASTO-BOND 3405, Hot Pour Crack Filler and Joint sealant -ASTM D-3405

HMIS

Health = 1

Fire = 1

Reactivity = 0

Chemical Family - Rubber Modified Asphalt Materials

Chemical Name, Family and Synonyms- Proprietary

Formula: N/A, Composition containing asphalt cement, fillers and rubbers.

Prepared by - G.C. Dubey

DOT Shipping Classification: Non- Hazardous Material.

Abbreviations: N/App- Not applicable. N/A- Not Available.

SECTION II – INGREDIENTS & HAZARDS

Ingredients	CAS	WT% (Optional)	Exposure Limits	
			OSHA TWA	PEL
ASPHALT	8052-42-2	N/App	0.5 mg/m3	N/A

SECTION III - PHYSICAL DATA

Boiling Point	Vapor Pressure	Vapor Density	Appearance
Over 600 °F	(mm Hg) N/App	(Air=1) N/App	Black solid cube with asphalt Odor.
Evaporation Rate (Water=1)	Specific Gravity by wt.	Melting Point (ASTM D-36) Ring and Ball Soft. Pt.	Freezing Point
N/App	1.0-1.3	160-220 F	Not applicable
Miscibility With Water ppm	Threshold Odor	pH	Water/Oil Distribution Coefficient
None	N/A	N/A	N/A

QUALITY ▲ PERFORMANCE ▲ VALUE ▲ INNOVATION ▲ SERVICE

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<u>Flammability Classification</u>	<u>Flash Point</u> <u>(method used)</u>	<u>Flammable Limits</u>	
HMIS Rating- 1	ASTM D-92, C.O.C	LEL	UEL
		N/A	N/A

Extinguishing Media- Water fog, Foam, Dry Chemicals & CO2.

Unusual Fire and Explosion Hazards: Black dense haze smoke forms during burning. Keep sparks away from concentrated fumes. Material will not burn unless pre-heated.

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	

SECTION VI- HEALTH AND HAZARD DATA

Routes of Entry:

Inhalation-	yes, Fumes.
Skin-	Yes, Hot material
Ingestion-	Rare

Carcinogenicity:

NTP NO
IARC Monographs NO
OSHA Regulated NO

Health Hazards (Acute/Chronic): High Fume Concentrations may irritate eyes & respiratory tract. Hot product may cause minor to severe burns when contacts skin.

Medical Conditions: Respiratory problems may be aggravated by petroleum fumes

Signs and Symptoms of Exposure:

Inhalation-Irritation: nausea, dizziness, headaches
Skin Contact with Solid Product: No Irritation
Skin Contact with Hot Pour: Burns

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air, assist breathing if necessary
Burns: Cool with water, remove with mineral oil/soap/water
Get medical help for severe burns.

SECTION VII- PRECAUTIONS, SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Permit material to cool to a solid, Cover with earth to reduce adhesiveness, Place in appropriate containers to transport to a waste disposal site.

Waste Disposal Method: Bury collected material in approved landfill or burn in approved incinerator; Follow local, state, & federal regulations.

Precautions taken in Handling & Storing: Keep pallets intact in storage, Packages of unused material present no known health/safety hazards.

Other Precautions: Be aware of burn hazards which are possible if skin contact occurs during use, Avoid inhalation of excessive amounts of fumes, **Practice good personal hygiene**

SECTION VIII-CONTROL MEASURES

Respiratory Protection: For high fume concentration, NIOSH respirator with organic and mist filter.

Ventilation: Local Exhaust to keep fumes below TLV, Mechanical and Specialty Ventilation not generally required

Protective Gloves: To protect hands and arms from hot material

Eye Protection: Safety Goggles

Other Protective Clothing/Equipment: To prevent skin contact with hot material

Work/Hygienic Practices: Use good personal hygiene, wash hands and exposed skin with soap and water

THE RECOMMENDATIONS AND INFORMATION PROVIDED HEREIN ARE BELIEVED TO BE ACCURATE AS THE DATE HEREOF. HOWEVER, SUCH INFORMATION AND RECOMMENDATIONS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND AND S.T.A.R., INC. DISCLAIMS ANY AND ALL LIABILITY OR LEGAL RESPONSIBILITY FOR USE AND RELIANCE UPON THE SAME.