



# 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 Drive  
Columbus, Ohio 43228

**Emergency Phone No.** CHEM-TEL 800-255-3924  
Information Phone No. 614-870-0744  
Effective Date 2.11.2012  
Supersedes Date

## SECTION I - IDENTIFICATION

**Product Name:** STAR ELASTO-BOND H.S. –Hot Pour Crack and Joint Filler and sealant.

**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	OSHA PEL
ASPHALT	8052-42-2	N/App	0.5 mg/m3	N/A

## SECTION III - PHYSICAL DATA

<u>Boiling Point</u>	<u>Vapor Pressure</u>	<u>Vapor Density</u>	<u>Appearance</u>
Over 600 °F	(mm Hg) N/App	(Air=1) N/App	Black solid cube with asphalt Odor.
<u>Evaporation Rate</u> (Water=1)	<u>Specific Gravity</u> by wt.	<u>Melting Point</u> (ASTM D-36) Ring and Ball Soft. Pt.	<u>Freezing Point</u>
N/App	1.0-1.3	160-220 F	Not applicable
<u>Miscibility With Water</u> ppm	<u>Threshold Odor</u>	<u>pH</u>	<u>Water/Oil Distribution Coefficient</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	ASTM D-92, C.O.C	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.
<b>Hazardous Polymerization-</b>	Will not occur.
<b>Hazardous Decomposition Products-</b>	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

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