



# 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.

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Information Phone No. 614-870-0744 Effective Date 08/30/94 Supersedes Date 06/15/92

## **SECTION I - IDENTIFICATION**

**Product Name:** STAR STA-FLEX - RUBERIZED COLD POUR CRACK FILLER.

Chemical Family - Asphalt Emulsion, Polymer, ,Rubber, specialty chemicals, fillers and organic fibers.

Chemical Name - Proprietary and Asphalt Emulsion coating material.

Prepared by - G.C. Dubey

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

# **SECTION II - INGREDIENTS**

Ingredients	CAS NO.	WT%	Exposure Limits
			OSHA ACGIH PEL TLV
ASPHALT	8052-42-4	41 - 43	N/A 5.0 mg/m3
			(fumes)
Listed in SARA Title III, S	ection 313- No.		
STEL - N/A*			
LC 50 - N/A			
LD 50 - N/A			

#### **Other Ingredients**

CLAY	1332-58-7	8 - 10	N/A	10 mg/m3
				(dust)
Cellulosic Fibers	N/A	2 - 3	Over 80%	% N/A
			(dust)	
Water	7732-65-3	38 - 40	N/A	N/A

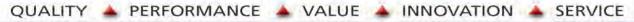
Listed in SARA Title III, Section 313 - No.

STEL - N/A LC 50 - N/A

LD 50 - CTI OVER 320,000

LD 50 - N/A

Ingredients total weight % are below 100 % only if all other unlisted ingredients are not considered hazardous by any federal (OSHA, WHMIS,SARA), any state or province or local Right-To-Know regulations.





## **SECTION III - PHYSICAL DATA**

<b>Boiling Point</b>	Vapor Pressure Vapor Density		Appearance Appearance	
	(mm Hg)	(Air=1)		
Over 212 °F	approx. 25	0.6	Brownish viscous liquid with	
	;	asphalt odor.		

**Evaporation Rate** Specific Gravity % Volatile Freezing Point (Water=1) by wt.
1 1.12 - 1.15 38-40 32 °F / O °C

Miscibility With WaterThreshold OdorpHWater/Oil Distribution(ppm)CoefficientInfiniteN/A9 - 100.5

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Classification	Flash Point	Flammable Limits	
	(method used)	LEL	UEL
N/A	N/A	N/A	N/A

Combustion ProductsExtinguishing MediaCO, CO2, HydrocarbonsWater, Fog, Foam, Dry Chemicals & CO2.

<u>Unusual Fire and Explosion Hazards:</u> Containers may rupture due to steam pressure build up when exposed to intense heat. Product may splatter if the temperature exceeds the boiling point of water.

**Special Fire Fighting Procedures:** Cool exposed containers to prevent steam pressure build up. Wear self-contained breathing equipment and protective clothing.

Explosive PowerBurning RateN/AN/A

UN/NA/PIN# Static Sensitive Impact Sensitive
N/A NO NO

### SECTION V- HEALTH HAZARD DATA

Threshold Limit Value Exposure to hazardous asphalt fumes is not expected under normal conditions of use. See sec. II.

**Routes Of Entry** Skin, eyes, inhalation, ingestion. **Effects Of Overexposure** - Acute: NO Chronic: NO

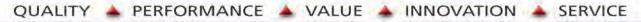
**Eyes** - May cause eye irritation. **Skin** - May cause irritation of skin.

Inhalation - May cause nausea and headache. Prolonged and repeated inhalation may be harmful to respiratory system...

**Ingestion** - May cause nausea, cramps, vomiting, diarrhea or acute effects.

Unusual Chronic Toxicity: N/A

Carcinogenic: IARC-NO ACGIH-NO





# **Emergency and First Aid Procedures**

**Eyes** - Immediately flush with plenty of water for 15 minutes, call a physician, if condition persists. **Skin** - Wash thoroughly with plenty of water and soap. Remove and wash contaminated clothing. **Inhalation** - move to fresh air, Restore breathing if required. Treat symptomatically. Consult a physician. **Ingestion** - Do not induce vomiting. Seek physician immediately and show M.S.D.S. or label.

#### SECTION VI- REACTIVITY DATA

StabilityConditions to AvoidIncompatibility(materials to avoid)StableKeep from freezing.Strong oxidizing aagents

Hazardous Decomposition Products - N/A Hazardous Polymerization - Will not occur. Conditions to Avoid - N/A

## SECTION VII - SPILL OR LEAK PROCEDURES

**SARA Title III** 

# 302 - No # 304 CERLA - No # 313 - No. RCRA-No.

# Steps to be Taken in Case Material is Released or Spilled

Limit spread of leak or spill. Ventilate the area. Wear approved respiratory protection. Wear suitable protective clothing, gloves and eye / face protection. Soak up with an inert absorbent material like sand or earth and pick up waste material. Put in a sealed approved container. Dispose of in accordance with federal, state and local regulations, as a non-hazardous waste.

Reportable Quantity - N/A TPQ (Lb.) - N/A Regulations - N/A

#### SECTION VIII - SAFE HANDLING AND PROTECTION INFORMATION

Ventilation: Local Exhaust - Recommended

Mechanical (General) - Recommended Special: N/A Other: N/A

**Respiratory Protection (Specify type):** Use only with adequate ventilation. If ventilation is not adequate, wear appropriate respiratory equipment.

**Protective Gloves:** Rubber gloves, chemically resistant.

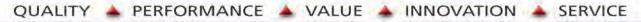
**Eye Protection:** Wear safety glasses, goggles or face shield.

**Other Protective Equipment:** Wear suitable protective clothing. Remove and wash contaminated clothing before re-use. A source of clean water shall be available for washing eyes and skin.

Hygienic Practices: Wash hands before eating, smoking or using washrooms. Smoke only in designated areas.

Estimated LD50, MG/KG: N/A Sensitization: NO

Estimated LC50, PPM: N/A Irritants: Yes, mild skin & lungs





# **SECTION IX - SPECIAL PRECAUTIONS**

- 1. Keep out of reach of children.
- 2. For professional and industrial use only.
- 3. Do not handle until manufacturer's safety precautions have been read and understood.
- 4. Use only with adequate ventilation.
- 5. Do not take internally.
- 6. Avoid contact with eyes and skin.
- 7. Wash thoroughly after using. Practice safe hygiene principles.
- 8. Additional Technical Data Sheets and/or M.S.D.S.'s are available upon request.
- 9. Store between 50 100 °F. Keep the containers tightly closed after each use.

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