



Safety Data Sheet

Date Revised: 7/20/2015

Supersedes:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Five Star Centri-Cast® Coal Tar Epoxy/Component B

Synonyms: Epoxy Coal Tar

Product Use: Protective Coating

Restrictions on Use: To be used with Centri-Cast® Coal Tar Component A

Manufacturer/Supplier: Five Star Products, Inc.
60 Parrott Drive
Shelton, CT 06484 USA

Phone #: 203-336-7900

Emergency Phone #: **CHEM-TEL 1-800-255-3924**
(Outside the U.S. 1-813-248-0585)

SECTION 2: HAZARD(S) IDENTIFICATION-GHS INFORMATION

2.1 Classification of the substance of mixture: OSHA HCS (29 CFR 1910.1200)

2.2 Label Elements/Hazard Pictograms:



Signal Word: Warning

Hazard Statements: Warning- Causes skin irritation. Causes serious eye irritation.

Precautionary Statements/Prevention: Do not get in eyes, on skin, or on clothing.
Wash thoroughly with soap and water after handling.

2.3 Other Hazards: May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

2.4 Additional Information

NFPA Rating:



HMIS (Hazardous Material Information System):





Safety Data Sheet

Date Revised: 7/20/2015

Supersedes:

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous ingredient(s)	% wt.	CAS No.	Hazard statement(s)
4,4'-Isopropylidenediphenol	100%	25068-38-6	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits:

None

3.2 Mixtures:

Not applicable

3.3 Additional Information:

None

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Inhalation:

Move person to fresh air. Keep patient at rest and give oxygen if breathing difficult. Apply artificial respiration if necessary. If symptoms occur obtain medical attention.

Skin Contact:

Wash affected skin with plenty of water. Remove contaminated clothing and wash all affected areas with plenty of water. Wash contaminated clothing before reuse. If symptoms occur obtain medical attention.

Eye Contact:

If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Make victim drink water. Do not induce vomiting. Do not give anything by mouth to an unconscious person. If symptoms occur obtain medical attention

4.2 Most important symptoms and effects, both acute and delayed:

None known

4.3 Indication of the immediate medical attention and special treatment needed:

None known

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Extinguish with Carbon dioxide, dry chemical, foam or water spray.

Unsuitable Extinguishing Media:

None anticipated



Safety Data Sheet

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5.2 Special hazards arising from the substance or mixture:

Combustion causes toxic fumes. Combustion products: Oxides of carbon

5.3 Advice for Firefighters:

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure suitable personal protection (including respiratory protection) during removal of spillages. Wear safety or chemical resistant shoes or boots. Avoid breathing vapors. In case of insufficient ventilation, wear suitable respiratory equipment

6.2 Environmental Precautions:

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up:

Stop leak if safe to do so. Ensure adequate ventilation. Allow product to cool/solidify and pick up as a solid. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorized waste disposal contractor.

6.4 Reference to other Sections:

None

6.5 Additional Information:

None

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapors.

7.2 Conditions for safe storage, including any incompatibilities

Storage Temperature:

Store at room temperature.

Incompatible materials:

Strong oxidizing agents.

7.3 Specific end use(s):

Protective Coating

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	(8hr TWA)		STEL		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
4,4'-Isopropylidenediphenol	25068-38-6	----	----	-----	-----	

8.1.2 Recommended monitoring method:

None

8.2 Exposure Controls



Safety Data Sheet

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Supersedes:

8.2.1 Appropriate Engineering Controls: Keep container closed when not in use. Use product in a well-ventilated area only.

8.2.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Wear protective eye glasses for protection against liquid splashes.

Skin Protection (Hand protection/Other): Harmful in contact with skin. Wear suitable protective clothing and gloves. Type: Butyl rubber. Gloves should be changed if excessive exposure has occurred. Check with protective equipment manufacturer's data

Respiratory Protection: In case of inadequate ventilation wear respiratory protection. Use NIOSH approved respiratory protection.

Thermal hazards: Use gloves with insulation for thermal protection, when needed.

8.2.3 Environmental Exposure Controls: Do not discharge waste and/or cleaning water via public sewer system. Ensure waste is collected and contained.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	
Appearance:	Liquid
Color:	Clear
Odor:	Slight Odor
Odor Threshold:	Not available
pH (Value):	Not available
Melting Point / Freezing Point:	Not available
Boiling Point/boiling range:	392°F (200°C)
Flash Point:	>212° F (100°C) [Closed cup]
Evaporation Rate:	Not available
Flammability (solid, gas):	Not applicable
Explosive limit ranges:	Not applicable
Vapor Pressure:	Not determined
Vapor Density (Air = 1):	Not determined
Density:	1.17 g/ml
Solubility (Water):	Not available
Solubility (Other):	Not known
Partition Coefficient: n-Octanol/Water:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available



Safety Data Sheet

Date Revised: 7/20/2015

Supersedes:

Kinematic Viscosity (cSt)@40°C:	Not available
Explosive properties:	Not explosive
Oxidizing Properties:	Not oxidizing

9.2 Other Information: Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	Stable under normal conditions.
10.2 Chemical Stability:	Stable
10.3 Possibility of Hazardous Reactions:	May react violently with: Strong oxidizing agents.
10.4 Conditions to Avoid:	Heat
10.5 Incompatible Materials:	Oxidizers
10.6 Hazardous Decomposition Product(s):	Combustion causes toxic fumes. Combustion products: Nitrogen oxides, Oxides of carbon, Sulphur oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

11.1.1 Substances:

4,4'-Isopropylidenediphenol (CAS No.25068-38-6)

Acute toxicity

Oral LD50 (rat): >2000 mg/kg

Dermal LD50 (rabbit): >20 ml/kg

Irritation: Slight irritant to rabbit eyes. Slight irritant to rabbit skin.

Sensitization: Skin sensitization has been reported in studies with guinea pigs.

Carcinogenicity:

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

11.1.2 Mixtures Not applicable

11.1.3 Substances in preparations / mixtures: Not applicable

11.2 Other Information: None known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Substances in preparations / mixtures:



Safety Data Sheet

Date Revised: 7/20/2015

Supersedes:

4,4'-Isopropylidenediphenol (CAS No.25068-38-6)

LC50: 1.5 mg/l (S. gairdneri) (96 hour)

LC50: 2.7 mg/l (D. magna) (48 hour)

NOEC: 0.3 mg/l (D. magna)

12.2 Persistence and Degradability: Not readily biodegradable.

12.3 Bio-accumulative Potential: The product has no potential for bioaccumulation.

12.4 Mobility in Soil: The substance has low mobility in soil.

12.5 Results of PBT and vPvB Assessment: Not applicable

12.6 Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

13.2 Additional Information: None known.

SECTION 14: TRANSPORT INFORMATION

14.1 US DEPARTMENT of TRANSPORTATION (DOT) Proper Shipping Name: NOT REGULATED

Class: NONE

UN #: NONE

Packing Group: NONE

14.2 INTERNATIONAL AIR TRANSPORTATION Proper Shipping Name (ICAO/IATA): UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (BISPHENOL-A EPICHLORHYDRIN RESIN), 9, PG III

Class: 9

UN #: 3082

Packing Group: III

14.3 WATER TRANSPORTATION

Proper Shipping Name (IMO/IMDG): UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (BISPHENOL-A-EPOXY RESIN), 9, PG III



Safety Data Sheet

Date Revised: 7/20/2015

Supersedes:

Class: 9
UN#: 3082
Packing Group: III
Marine Pollutant: Bisphenol-A Epichlorhydrin Resin

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

TSCA (Toxic Substance Control Act): Inventory Status: All components listed or polymer exempt.

RCRA Hazardous Waste Number (40 CFR 261.33): None

US RCRA Hazard Class: Not applicable

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	Qty^ (Pounds)	Qty^ (Gallons)
-	-	-	-	-	-

^Quantity of spill to reach RQ. **See Proposition 65 (California)

SARA 311/312 - Hazard Categories: Immediate (acute)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
-	-	-

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
-	-	-	-

Proposition 65 (California): This product does NOT contain chemicals known to the State of California to cause cancer.

SECTION 16: OTHER INFORMATION

Disclaimer: This information is furnished without warranty of any kind, expressed or implied. Five Star Products, Inc. bases the information and recommendations in this document on data believed to be current and accurate.