



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Five Star® MP Epoxy Patch / Component A

Synonyms: N/A

Product Use: Durable concrete construction and repair; Chemical resistant applications.

Restrictions on Use: Use with MP Epoxy Patch Components B and C.

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

Classification: Germ Cell Mutagenicity, Category 2
Reproductive Toxicity, Category 2
Eye Damage, Category 1
Skin Irritation, Category 2
Skin Sensitization, Category 1

Label Elements/Hazard Pictograms:



Signal Word: Danger

Hazard Statements: Causes skin irritation, H315.
Causes serious eye damage, H318.
May cause an allergic skin reaction, H317.
Suspected of causing genetic defects, H341.
Suspected of damaging fertility or the unborn child, H361.

Precautionary Statements/Prevention: If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.

Response: If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

Storage: Store locked up.

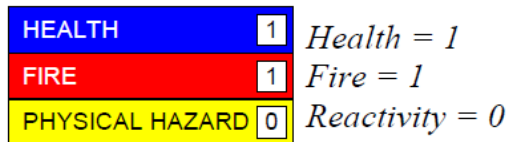
Disposal: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Classification System

NFPA ratings (scale 0-4):



HMIS ratings (scale 0-4):



PBT Assessment: N/A

vPvB Assessment: N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS			
Substance	CAS No.	NLP Number	Index Number
Diglycidyl ether of bisphenol A homopolymer	25085-99-8	500-033-5	603-074-00-8
Aromatic Hydroxide	Trade Secret	Trade Secret	Trade Secret
Aliphatic Epoxide	Trade Secret	Trade Secret	Trade Secret

SECTION 4: FIRST AID MEASURES

General Information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Inhalation: If inhaled: Supply fresh air and be sure to call for a doctor. In case of unconsciousness, place patient stably in side position for transportation.

Eye Contact: If in EYES: Rinse opened eye for several minutes under running water. Then consult a doctor.

Skin Contact: If skin irritation continues, consult a doctor.

Ingestion: If swallowed: Seek medical treatment.



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

MEANS OF EXTINCTION

Suitable Extinguishing Media: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

Protection of Firefighters: Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment & Emergency Procedures: Wear protective equipment. Keep unprotected persons away.

Environmental Precautions: Inform respective authorities in case of seepage into water course or sewage system.

Methods and Material for Containment and Clean up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

Information about protection against Explosions and Fires: No special measures required.

Storage: Store away from incompatible materials. Keep receptacle tightly sealed.



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: No further data.

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Information: The lists that were valid during the creation were used as basis.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Wear appropriate eye protection to prevent eye contact.

Hand Protection: Wear protective gloves. The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Breathing Equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

General Protective and Hygienic Considerations: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Clear
Odor:	Mild
Odor Threshold:	Not determined
pH value:	Not determined
Melting Point / Melting Range:	Undetermined
Boiling Point / Boiling Range:	Undetermined
Flash Point:	>94°C, >201°F
Flammability (solid, gaseous):	Not applicable
Decomposition Temperature:	Not determined
Auto Igniting:	Product is not self-igniting.
Danger of Explosion:	Product does not present an explosion hazard.
Explosion Limit – Lower:	Not determined
Explosion Limit – Upper:	Not determined
Vapor Pressure:	Not determined
Density at 20°C (68°F):	1.19 g/cm ³ (9.931 lbs/gal)



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

Relative Density:	Not determined
Vapor Density:	Not determined
Evaporation Rate:	Not determined
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition Coefficient: n-Octanol/Water:	Not determined
Viscosity, Dynamic:	Not determined
Viscosity, Kinematic:	Not determined
Organic Solvents:	0.0%
Solids Content:	100.0%
Other information:	No further relevant information available
Volatile Organic Compounds:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions:

Reacts with acids, alkalis and oxidizing agents.

Conditions to Avoid:

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:

Carbon monoxide and carbon dioxide, Nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

LD/LC50 values that are relevant for classification:

25085-99-8 Diglycidyl ether of bisphenol A homopolymer		
Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)

Primary Irritant Effect On the Skin:

May cause skin irritation.

Primary Irritant Effect On the Eye:

Irritating effect.



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

Sensitization: Sensitization possible through skin contact.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful, Irritant

Carcinogenic Categories

IARC (Int'l Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic Toxicity: No further relevant information available.

Persistence and Degradability: No further relevant information available.

Bio-accumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

Ecotoxicological Effects Remark: Toxic for fish.

Additional Ecological Information

General Notes: Water hazard class 1 (self-assessment): Slightly hazardous for water.
Water hazard class 2 (self-assessment): Hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms.

Results of PBT Assessment: N/A

Results of vPvB Assessment: N/A

Other Adverse Effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Recommendation: Must not be disposed of as normal garbage. Do not allow product to reach sewage system. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations.



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

Dispose of waste material according to local, state, federal and provincial environmental regulations.

Uncleaned Packaging Recommendation:

Disposal must be made according to Federal, State & Local regulations.

SECTION 14: TRANSPORT INFORMATION

UN-Number

IMDG: UN3082

DOT, ADR, IATA: Not Regulated

UN Proper Shipping Name

IMDG: Environmentally hazardous substance, Liquid, N.O.S. (epoxy resin), Marine Pollutant

ADR, IATA: Not regulated

Transport Hazard Class(es)

DOT Class: N/A

ADR Class N/A

IMDG Class / Label: 9, Miscellaneous dangerous substances and articles / 9

IATA Class: Not Regulated

Packing Group: III

DOT, ADR, IMDG, IATA

Environmental Hazards

Marine Pollutant: Yes
Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable

Transport/Additional Information

DOT Remarks: Add "Marine Pollutant" to end of proper shipping name if shipping in a bulk container (>119 gallons).
Special marking with the symbol (fish and tree).

ADR

U.S. Domestic Ground Shipments: Same as listed for Standard Shipments above.

U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: Same as listed for Standard Shipments above.



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

**Emergency Response Guide
(ERG) Number:**

Not determined

IMDG Limited quantities (LQ):

5L

**IMDG Exceeded quantities
(EQ):**

Code:E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN-, -, N/A, III

SECTION 15: REGULATORY INFORMATION

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

SARA

**Section 355 (Extremely
Hazardous Substances):**

None of the ingredients are listed.

**Section 313 (Specific toxic
chemical listings):**

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. If so, the chemicals are listed:

None of the ingredients are listed.

**TSCA (Toxic Substances
Control Act):**

All ingredients are listed.

CA Proposition 65:

None of the ingredients are listed.

**Chemicals known to cause
reproductive toxicity for
females:**

None of the ingredients are listed.

**Chemicals known to cause
reproductive toxicity for
males:**

None of the ingredients are listed.

**Chemicals known to cause
developmental toxicity:**

None of the ingredients are listed.

Carcinogenicity Categories

**EPA (Environmental
Protection Agency):**

None of the ingredients are listed.

**TLV (Threshold Limit Value
established by ACGIH):**

None of the ingredients are listed.

**MAK (German Maximum
Workplace Concentration):**

None of the ingredients are listed.



Safety Data Sheet

Date Revised: 11/13/2015

Supersedes: 7/30/2015

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

National Regulations

Water Hazard Class:

Water hazard class 2 (Self-assessment): Hazardous for water.

Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Disclaimer:

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