



Safety Data Sheet

Date Revised: 5/3/2016

Supersedes: n/a

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Five Star® Waterproofing Liquid

Synonyms: None

Product Use: Latex binder for use in mortar and concrete.

Restrictions on Use: Use per Five Star's product recommendation.

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: Not Classified

Label Elements/Hazard Pictograms:



Signal Word: Warning

Hazard Statements: May cause skin irritation, H317
May cause eye irritation, H320
May cause respiratory irritation, H335

Precautionary Statements/Prevention: Observe good industrial hygiene practices.

Response: If swallowed: Rinse mouth. Do NOT induce Vomiting, P330, P331.
If inhaled: Remove person to fresh air and keep comfortable for breathing, P340.
If in eyes: Rinse cautiously with water for several minutes, P351.
Remove contact lenses, if present and easy to do. Continue rinsing, P338.
If on skin, wash with plenty of water after handling, P302, P352.
If skin irritation or rash occurs, P333: Get medical advice/attention, P313.
If experiencing respiratory symptoms, P342: Get medical advice/attention if you feel unwell, P314.



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Storage: Keep out of reach of children, P102. Store according to recommendations in Section 7.

Disposal: Dispose of waste and residues in accordance with local regulatory requirements.

Hazards Not Otherwise Classified: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient(s) | Common Name/Synonyms | CAS No. | % wt/wt |
|------------------------------|----------------------|----------------|---------|
| Styrene/butadiene Co-polymer | Not Applicable | 009003-55-8 | 25 - 50 |
| Water | H ₂ O | Not Applicable | 50 - 75 |

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled: Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms call doctor.

Eye Contact: If in eyes: Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If effects occur, consult a physician with ophthalmic experience.

Skin Contact: Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Ingestion: If swallowed: Rinse mouth. Call a physician if symptoms occur.

General Advice: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Note to Physicians: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability and Explosion Information: This material will not burn until the water has evaporated. Residue can burn. Upon burning, the dry product generates dense black smoke.

MEANS OF EXTINCTION

Suitable Extinguishing Media: To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

Unsuitable Extinguishing Media: None Known

Product of Combustion: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds.



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Combustion products may include and are not limited to : Caron dioxide, carbon monoxide, dense smoke, organic compounds

Protection of Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Emergency Procedures:** Use personal protective equipment. Ensure adequate ventilation. Keep people from spill.
- Personal Precautions:** Refer to Section 8.
- Environmental Precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Refer to Section 12.
- Methods for Containment:** Recover spilled material if possible
- Methods for Cleanup:** Absorb with materials such as clay, sand, sawdust, vermiculite. Collect in suitable and properly labeled containers. Water may be used for final cleaning of affected area. Wash water should be disposed of in accordance with local regulations.
- Other Information:** See Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

- Handling:** Avoid prolonged or repeated contact with skin. Wash Thoroughly after handling.
- Storage:** Store between 40°F (4.4°C) and 110°F (43.3°C). May coagulate if frozen at 0°C (32°F). Material may develop bacteria odor on long term storage. No safety problems known.

SECTION 8: EXPOSURE CONTORLS/PERSONAL PROTECTION

Exposure Guidelines

| Component | CAS No. | ACGIH TLV | OSHA PEL |
|---------------------------|-----------|------------------|------------------|
| Styrene-Butadiene polymer | 9003-55-8 | None established | None established |

PEL: Permissible Exposure Limit TLV: Threshold Limit Value

Engineering Controls: Not normally required.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Use safety glasses (with side shields).

Hand Protection: Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove



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barrier materials include: chlorinated polyethylene, polyethylene, ethyl vinyl alcohol laminate ("EVAL"), Polyvinyl chloride ("PVC" or "vinyl"), viton. Examples of acceptable glove barrier materials include: butyl rubber, natural rubber ("latex"), neoprene, nitrile/butadiene rubber ("nitrile" or "NBR"). Avoid gloves made of: Polyvinyl alcohol ("PVA"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Skin and Body Protection:

Impervious gloves. Impervious clothing.

Respiratory Protection:

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Particulate filter.

General Hygiene Considerations:

Handle according to established industrial hygiene and safety practices.

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES | |
|---|----------------------|
| Appearance: | Liquid |
| Color: | White |
| Odor: | None |
| Odor Threshold: | Not Available |
| Physical State: | Liquid |
| pH: | 9.5 - 10.5 estimated |
| Melting Point / Freezing Point: | 32°F (0°C) |
| Initial Boiling Point: | Not Applicable |
| Boiling Point: | 212°F (100°C) |
| Flash Point: | Not Applicable |
| Evaporation Rate: | Similar to water |
| Flammability (solid, gas): | Not Applicable |
| Lower Flammability Limit: | Not Available |
| Upper Flammability Limit: | Not Available |
| Vapor Pressure: | 17.5 mmHg @ 20°C |
| Vapor Density: | 0.6 (air = 1) |



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| Relative Density: | 0.98 – 1.04 |
| Solubility: | Visual Miscible with water in all proportions |
| Partition Coefficient: n-Octanol/Water: | Not Available |
| Auto-ignition Temperature: | Not Applicable |
| Decomposition Temperature: | Not Available |
| Viscosity: | <500 cSt estimated |
| Percent Volatile, wt. %: | 50-75% as water |
| VOC Content, wt. %: | < 0.6% |
| Density: | 0.98 – 1.04 g/cc |
| Coefficient of Water/Oil Distribution: | Not Applicable |

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|--|
| Chemical Stability: | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions: | None under normal processing. |
| Conditions to Avoid: | Can coagulate if frozen. The dry resin is combustible. |
| Incompatible Materials: | Addition of chemicals such as acids or multivalent metal salts, may cause coagulation. |

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

| | |
|-------------------------------------|--|
| Ingestion: | Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. LD50: >5,000mg/kg (rat) |
| Aspiration Hazard: | Based on physical properties, not likely to be an aspiration hazard. |
| Dermal: | Prolonged skin contact is unlikely to result in absorption of harmful amounts. For similar material(s): LD50 > 2,000mg/kg (rat) |
| Inhalation: | No adverse effects are anticipated from single exposure to vapor. Mist may cause irritation of upper respiratory tract (nose and throat). The LC50 has not been determined. |
| Eye Damage / Eye Irritation: | May cause slight temporary eye irritation. Corneal injury is unlikely. |
| Skin Corrosion / Irritation: | Brief contact is essentially non-irritating to skin. Prolonged contact may cause slight skin irritation with local redness. Latex may stick to skin causing irritation upon removal. |
| Sensitization | |
| Skin: | No relevant data found. |
| Respiratory: | No relevant data found. |
| Repeated Dose Toxicity: | No relevant data found. |



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| Chronic Toxicity and Carcinogenicity: | No relevant data found. |
| Developmental Toxicity: | No relevant data found. |
| Reproductive Toxicity: | No relevant data found. |
| Genetic Toxicology: | No relevant data found. |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|--|--|
| Aquatic Toxicity: | For similar material(s): Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50>100 mg/L in the most sensitive species tested). |
| Persistence and Degradability | |
| Bio-accumulative Potential: | No bio-concentration of the polymeric component is expected because of its high molecular weight. Latex dispersions will color water a milky white. |
| Mobility in Soil: | No relevant data found. |
| Ecotoxicological Effects | |
| Remark: | No information available. |
| Additional Ecological Information | No information available. |
| General Notes: | No further relevant information available. |
| PBT Assessment: | Not Available |
| vPvB Assessment: | Not Available |
| Other Adverse Effects: | No further relevant information available. |

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

| | |
|--|---|
| Recommendation: | This material as supplied is not a hazardous waste according to Federal regulations (40CFR261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. |
| Uncleaned Packaging Recommendation: | Disposal must be made according to official regulations. Do not re-use empty containers. |



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SECTION 14: TRANSPORT INFORMATION

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|---|----------------|
| US DEPARTMENT of TRANSPORTATION (DOT) Proper Shipping Name: | Not Regulated |
| UN#: | Not Applicable |
| Class: | Not Applicable |
| Packing Group: | Not Applicable |
| CANADA Transportation of Dangerous Goods (TDG) Proper Shipping Name: | Not Regulated |
| UN #: | Not Applicable |
| Class: | Not Applicable |
| Packing Group: | Not Applicable |
| Air Transport (ICAO-IATA/DGR) Proper Shipping Name: | Not Regulated |
| UN #: | Not Applicable |
| Class: | Not Applicable |
| Packing Group: | Not Applicable |
| Sea Transport (IMDG-Code/GGVSee) Proper Shipping Name: | Not Regulated |
| UN #: | Not Applicable |
| Class: | Not Applicable |
| Packing Group: | Not Applicable |
| Marine Pollutant: | Not Applicable |
| Special Provision(s): | Not Applicable |

SECTION 15: REGULATORY INFORMATION

CHEMICAL INVENTORIES

US (TSCA): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40CFR720.30

CANADA (DSL): All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

U.S. FEDERAL REGULATIONS Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the CFR, Part 372.



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UNITED STATES:

This SDS has been prepared to meet the US OSHA Hazard Communication Standard, 29 CFR 1910.1200

SARA 311/312 Hazard Categories

Acute health hazard – No
Chronic Health hazard – No
Fire Hazard – No
Sudden Release of Pressure – No
Reactive Hazard - No

US STATE Right to Know Regulations

| Chemical Name | NJ | MA | PA | IL | RI |
|---------------|----|----|----|----|----|
| None | | | | | |

California California Prop 65:

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm at levels which would require a warning under the statute.

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Material Information System):

| Health | Flammability | Reactivity | Personal Protection |
|--------|--------------|------------|---------------------|
| 1 | 0 | 0 | B |

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