



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Five Star® Splash Zone™ Compound / Component A

Synonyms: Component A

Product Use: Hand mixed/applied epoxy repair material

Restrictions on Use: To be used with Splash Zone™ Compound / Component B

Manufacturer/Supplier: Five Star Products, Inc.
2 Enterprise Drive, Suite 303
Shelton, CT 06484 USA

Phone #: 203-336-7900

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

SECTION 2: HAZARD(S) IDENTIFICATION-GHS INFORMATION

Classification: Irritant – Skin, Category 2
Irritant – Eye, Category 2A
Sensitization – Skin, Category 1
Aquatic - Acute, Category 2
Aquatic – Chronic, Category 2

Label Elements/Hazard Pictograms:



Signal Word: Danger

Hazard Statements: H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements/Prevention: P261 Avoid breathing dust, fume, gas, mist, vapors, or spray
P264 Wash thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection

Response: P330, P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P361, P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P351 If in eyes: Rinse cautiously with water for several minutes. P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center or doctor.

P313 If skin irritation or rash occurs, P333: Get medical advice /attention.

P342 If experiencing respiratory symptoms: p310 Call a poison center or doctor. P363 Wash contaminated clothing before reuse.

Storage: Store locked up.

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

Hazards Not Otherwise Classified: Not applicable

Ingredients with Unknown Toxicity: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS			
Hazardous Ingredient(s)	Common Name/Synonyms	CAS No.	% wt/wt
Diglycidyl Ether of Bisphenol-A	Not Applicable	25068-38-6	40 - 50
Filler	Not Applicable	Trade Secret	30 - 40
Silicon Dioxide	Crystalline Silica	14808-60-7	20 - 30

SECTION 4: FIRST AID MEASURES

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

Skin Contact: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Immediately call a poison center or doctor if irritation develops. Wash contaminated clothing before reuse.

Ingestion: If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Note to Physicians: Symptoms may not appear immediately.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability and Explosion Information:

Not flammable or combustible by OSHA/WHMIS criteria.

Sensitivity to Mechanical Impact:

This material is not sensitive to mechanical impact.

Sensitivity to Static Discharge:

This material is not sensitive to static discharge at temperatures at or above the flash point

MEANS OF EXTINCTION

Suitable Extinguishing Media:

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

Not Available

Product of Combustion:

Oxides of carbon, Toxic smoke vapors.

Protection of Firefighters:

Use self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

Personal Precautions:

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8.

Environmental Precautions:

Prevent entry into waterway, sewers, basements, or confined areas.

Methods for Containment:

Material is immobile and will not disperse readily from damaged containers. Isolate damaged or contaminated product in containers for disposal.

Methods for Cleanup:

Nature of material is clay like. Transfer spilled material with shovel, scoop or pan to disposal containers. Material may be mixed with Component B and allowed to cure and then disposed of in general construction waste. Wash parts with detergent solution. Any diluted material should be absorbed with dry earth, sand, or other non-combustible material and transferred to containers.

Other Information:

See Section 13 for disposal considerations.



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

SECTION 7: HANDLING AND STORAGE

Handling: Do not swallow. Do not breathe mist, vapors, or spray. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Contaminated work clothing should not be allowed out of workplace. See Section 8 for information on Personal Protective Equipment.

Storage: Store locked up. Store away from incompatible materials. See Section 10 for information on incompatible materials. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	CAS No.	ACGIH TLV	OSHA PEL
Diglycidyl Ether of Bisphenol-A	25068-38-6	No TLV established	No PEL established
Silicon Dioxide*	14808-60-7	TWA: 0.025mg/m ³ respirable fraction	TWA: 0.050 mg/m ³ AL: 0.025 mg/m ³
Filler	Trade Secret	Not Available	Not Available

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

AL: Actionable Level

* Respirable (<6 micron) fraction of product is <0.1%. Inhalation is not an anticipated route of exposure unless cutting hardened material.

Engineering Controls: Not normally required. Silicon dioxide is not in respirable form unless hardened material is ground or cut.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Wear chemical safety goggles and full face shield. Ensure that eyewash stations and safety showers are close to the workstation location. Use equipment for eye protection that meets the standards referenced for OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Hand Protection: Wear protective gloves. Rubber or polyethylene material is recommended. Consult manufacturer specifications for further information.

Skin and Body Protection: Wear protective clothing. Clothing with full length sleeves and pants should be worn.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices. Provide readily accessible eye wash stations and safety showers. Wash at end of shift and before eating, smoking, or using the toilet. Remove contaminated clothing and launder or discard.



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Viscous Paste
Color:	White
Odor:	Very Slight Odor
Odor Threshold:	Not Available
Physical State:	Semi-Solid
pH:	Not Applicable
Melting Point / Freezing Point:	Not Applicable
Initial Boiling Point:	Not Applicable
Boiling Point:	Not Applicable
Flash Point:	Not Applicable
Evaporation Rate:	Not Applicable
Flammability (solid, gas):	Not Applicable
Lower Flammability Limit:	Not Applicable
Upper Flammability Limit:	Not Applicable
Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Relative Density:	1.72 (Water = 1)
Solubility:	Not soluble in water
Partition Coefficient: n-Octanol/Water:	Not Applicable
Auto-ignition Temperature:	Can autoignite in air at approximately 572°F
Decomposition Temperature:	Not Available
Viscosity:	Viscous Paste
Percent Volatile, wt. %:	0%
VOC Content, wt. %:	0%
Density:	1.72 gms/cc
Coefficient of Water/Oil Distribution:	Not Applicable



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Possibility of Hazardous Reactions:	CO, CO ₂ , smoke toxic vapors
Conditions to Avoid:	Amine compounds under uncontrolled conditions
Incompatible Materials:	Strong oxidizing agents

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

Primary Irritant Effect On the Skin: Irritant to skin and mucous membranes.

Primary Irritant Effect On the Eye: Irritating effect.

Sensitization: Sensitization possible through skin contact. Sensitizing effect through inhalation is possible by prolonged exposure.

Additional Toxicological Information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Danger through skin adsorption.

Toxic and/or corrosive effects may be delayed up to 24 hours.

Mixed material (Components A and B) as directed is inert.

Sensitization: Sensitization possible by inhalation and/or dermal contact.

Repeated Dose Toxicity: Repeated exposures may result in skin and/or respiratory sensitivity.

Component Information:

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silicon Dioxide (Quartz)	500 – 22,500 mg/kg (Rat)	Not Established	Not Established*

*LCL50: 0.3 mg/m³ / 10Y (Human)

Symptoms related to the physical, chemical and toxicological characteristics: No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization: May cause sensitization by skin contact.

Mutagenic Effects: No information available.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen. Crystalline silica (quartz) has been classified by the



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). May cause cancer by inhalation.

Chemical Name	ACGIH	IARC	NTP	OSHA
Silicon Dioxide (Quartz)	A2*	Group 1	Known	X

*The respirable fraction as a whole is less than 0.1% and anticipated usage would generate far less than 0.1% as a respirable quantity above exposure guidelines as noted in Section 8.

ACGIH: (American Conference of Governmental Industrial Hygienists):

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer):

Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program):

Known Carcinogen

OSHA: (Occupational Safety & Health Administration):

X - Present

Reproductive Toxicity:

No information available.

STOT - single exposure:

May cause respiratory irritation.

STOT - repeated exposure:

Causes damage to organs through prolonged or repeated exposure if inhaled. Lungs.

Chronic Toxicity:

Inhalation overexposure to free crystalline silica may cause delayed lung injury including silicosis, a disabling and potentially fatal lung disease.

Aspiration Hazard:

No information available.

Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD 50 Oral: 500 mg/kg; Acute toxicity estimate

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

Aquatic Toxicity:

Due to the nature of epoxy resin, uncured material by definition is deemed harmful to the environment. Cured material is inert.

Persistence and Degradability:

The product is partly biodegradable. Significant residuals remain.

Bio-accumulative Potential:

Does not accumulate in organisms.

Mobility in Soil:

No further relevant information available.



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

Ecotoxicological Effects Remark: Uncured epoxy resin is toxic for fish. Cured material is inert. A study per the Washington State Department of Ecology Publication 80-12 showed zero (0) mortality at 96 hours for oncorhynchus mykiss (rainbow trout) for cured product.

Additional Ecological Information

General Notes: This statement was deduced from products with a similar structure or composition. Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment cannot be excluded. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

PBT Assessment: Not Applicable

vPvB Assessment: Not Applicable

Other Adverse Effects: No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned Packaging Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

US DEPARTMENT of TRANSPORTATION (DOT) Proper Shipping Name:

Not Regulated

Class: None

UN #: None

Packing Group: None

CANADA Transportation of Dangerous Goods (TDG) Proper Shipping Name:

Not Regulated

Class: Not Applicable

UN #: Not Applicable

Packing Group: Not Applicable



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA)

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, NOS (Epoxy Resin)

Class: 9

UN #: 3082

Packing Group III

WATER TRANSPORTATION (IMO/IMDG) Proper Shipping Name:

Environmentally Hazardous Substance, Liquid, NOS (Epoxy Resin)

Class: 9

UN #: 3082

Packing Group: III

Marine Pollutant: Epoxy Resin

SECTION 15: REGULATORY INFORMATION

CHEMICAL INVENTORIES

US (TSCA): The components of this product are in compliance with the chemical notification requirements of TSCA.

CANADA (DSL): The components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999

FEDERAL REGULATIONS

CANADA: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification:
Class D1B - Toxic Material
Class D2A - Respiratory sensitization
Class D2B - Skin sensitization

UNITED STATES: This SDS had been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

SARA Title III: No components are listed.

US STATE Right to Know Regulations

Chemical Name	NJ	MA	PA	IL	RI
Silicon Dioxide (Quartz)	X	X	X		X

California California Prop 65: This product contains the following Proposition 65 chemicals.
Chemical Name: Silicon Dioxide CAS-No: 14808-60-7 CA Prop. 65: Carcinogen
Chemical Name: Epichlorohydrin, CAS No. 106-89-8, CA Prop 65: Carcinogen, May contain trace amounts (<0.1%)



Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 03/01/2022

Chemical Name: Bisphenol A, CAS No. 80-05-7, CA Prop 65: Birth defects or other reproductive harm – female, contains <1%

Chemical Name: Epichlorohydrin, CAS No. 106-89-8, CA Prop 65: Birth defects or other reproductive harm – male, contains <0.1%

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Material Information System):

Health	Flammability	Physical Hazard	Personal Protection
1	0	0	X, B

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