



Safety Data Sheet

Date Revised: 4/9/2015

Supersedes:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): **Five Star® Fluid Grout PT**

Synonyms: Cable Grout

Product Use: For use in grouting cables and tendons requiring corrosion protection.

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

Manufacturer/Supplier: Five Star Products, Inc.
750 Commerce Drive
Fairfield, CT 06825 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: Skin Corrosion/Irritation – Category 2
Eye Damage/Irritation – Category 1
Skin Sensitization –Category 1B
Specific Target Organ Systemic Toxicity (Single Exposure) – Cat 3

Label Elements/Hazard Pictograms:



Signal Word: Warning

Hazard Statements: Harmful if swallowed H302
May cause skin irritation H317
Causes severe skin burns and eye damage H314
May cause respiratory irritation H335

Precautionary Statements/Prevention: Wash thoroughly after handling, P264.
Do not eat, drink or smoke when using this product, P270.
Contaminated work clothing should not be allowed out of the workplace, P272.
Wear protective gloves, protective clothing, eye protection and face protection, P280.
Wear respiratory protection, P284.



Safety Data Sheet

Date Revised: 4/9/2015

Supersedes:

Response:

If swallowed: Rinse mouth. Do NOT induce vomiting, P330, P331.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower, P361, P353.
 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.
 Immediately call a poison center or doctor, P310.
 If skin irritation or rash occurs, P333: Get medical advice/attention, P313.
 If experiencing respiratory symptoms, P342: Call a poison center or doctor, P310. Wash contaminated clothing before reuse, P363.

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS			
Hazardous Ingredient(s)	Common Name/Synonyms	CAS No.	% wt/wt
Portland Cement		65997-15-1	>85
Quartz	Silicon Dioxide, Silica Sand	14808-60-7	<15

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled: Remove personnel to fresh air. If breathing is difficult, give oxygen and seek medical attention immediately.

Eye Contact: If in eyes: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

Skin Contact: If on skin (or hair): Wash exposed areas thoroughly with water. Remove contaminated clothing. Get medical attention.

Ingestion: If swallowed: Rinse mouth with water. DO NOT induce vomiting. Drink clean water and seek medical attention immediately.

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



Safety Data Sheet

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Note to Physicians: Symptoms may not appear immediately. Treat symptomatically.

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 sensitive to static discharge at temperatures at or above the flash point.

MEANS OF EXTINCTION

Suitable Extinguishing Media: Small Fire: Dry chemical, CO₂, or water spray.
Large Fire: Dry chemical, CO₂, alcohol-resistant foam or water spray. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media: Not available.

Product of Combustion: Non-combustible

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. Avoid dust formation.

Personal Precautions: Avoid inhalation of dust. Do not get into eyes, on skin, or clothing.

Environmental Precautions: The environmental impact of this product has not been fully investigated

Methods for Containment: Cover powder spill with plastic sheet or tarp to minimize spreading. Collect this material into a disposal container by sucking or sweeping up.

Methods for Cleanup: Pick up and transfer to properly labeled containers.

Other Information: See Section 13 for disposal considerations.



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SECTION 7: HANDLING AND STORAGE

Handling: Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Do not breathe dust. Prevent contact with skin, eyes, and clothing. Wash thoroughly after handling.

Storage: Keep containers tightly closed in a cool, dry, and well-ventilated place. Store locked up.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	CAS No.	ACGIH	OSHA
Portland Cement	65997-15-1	TWA: 1mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction TWA: 50 mppcf <1% Crystalline silica
Quartz	14808-60-7	TWA: 0.025mg/m ³ respirable fraction	30/(%SiO ₂ +2) mg/m ³ TWA, Total Dust;250/(%SiO ₂ +5) mppcf TWA, respirable fraction; 10/(%SiO ₂ +2) mg/m ³ TWA, respirable TWA: 0.1 mg/m ³ (vacated)

PEL: Permissible Exposure Limit TLV: Threshold Limit Value

Engineering Controls:

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Tight fitting OSHA, MSA, or NIOSH approved goggles or masks.

Hand Protection: Impervious gloves. Impervious clothing.

Skin and Body Protection: Impervious gloves and clothing to protect skin from burns.

Respiratory Protection: Wear dust mask, NIOSH or OSHA approved respirator.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.



Safety Data Sheet

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Supersedes:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Powder
Color:	Gray to tan/brown
Odor:	Mild
Odor Threshold:	n/a
Physical State:	Solid powder
pH:	n/a
Melting Point / Freezing Point:	n/a
Initial Boiling Point:	n/a
Boiling Point:	n/a
Flash Point:	n/a
Evaporation Rate:	n/a
Flammability (solid, gas):	n/a
Lower Flammability Limit:	n/a
Upper Flammability Limit:	n/a
Vapor Pressure:	n/a
Vapor Density:	n/a
Relative Density:	n/a
Solubility:	Slight 0.2-0.5%
Partition Coefficient: n-Octanol/Water:	n/a
Auto-ignition Temperature:	n/a
Decomposition Temperature:	n/a
Viscosity:	n/a
Percent Volatile, wt. %:	n/a
VOC Content, wt. %:	n/a
Density:	n/a
Coefficient of Water/Oil Distribution:	n/a



Safety Data Sheet

Date Revised: 4/9/2015

Supersedes:

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Possibility of Hazardous Reactions:	None under normal processing.
Conditions to Avoid:	High levels of moisture during storage. Manage dust formation during usage.
Incompatible Materials:	Strong Acids.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

Product information:

Inhalation:	Irritating to respiratory system. Irritating to mucous membranes.
Eye contact:	Risk of serious damage to eyes.
Skin contact:	Irritating to skin. May cause allergic skin reaction.
Ingestion:	Harmful if swallowed.

Component Information

Chemical Name: Quartz LD50 Oral: 500 mg/kg (Rat) ACGIH: A2 – Suspected Human Carcinogen
IARC: Group 1 – Carcinogenic to humans OSHA: X-present
Delayed and immediate effects and also chronic effects from short and long term exposure.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	The environmental impact of this product has not been fully investigated.
Aquatic Toxicity:	The environmental impact of this product has not been fully investigated.
Persistence and Degradability:	No information available.
Bio-accumulative Potential:	Does not accumulate in organisms.
Mobility in Soil:	No further relevant information available.
Ecotoxicological Effects Remark:	No information available.
Additional Ecological Information	No information available.
General Notes:	This statement was deduced from products with a similar structure or composition. Due to available data on eliminability/decomposition and bio-accumulation 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



Safety Data Sheet

Date Revised: 4/9/2015

Supersedes:

poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

PBT Assessment: N/A
vPvB Assessment: N/A
Other Adverse Effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Recommendation: May be disposed of in an unrestricted sanitary landfill.

Uncleaned Packaging Recommendation: Disposal must be made according to official regulations. Do not re-use empty containers.

SECTION 14: TRANSPORT INFORMATION

US DEPARTMENT of TRANSPORTATION (DOT) Proper Shipping Name: Not regulated.

Class: N/A
UN #: N/A
Packing Group: NA/

CANADA Transportation of Dangerous Goods (TDG) Proper Shipping Name: Not regulated.

Class: N/A
UN #: N/A
Packing Group: N/A



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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 NSN Regulations under CEPA, 1999.

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.

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

US STATE Right to Know Regulations

Chemical Name	NJ	MA	PA	IL	RI
Portland Cement	X	X	X		X
Quartz	X	X	X		X

California
California Prop 65: This product contains the following Proposition 65 chemicals.
Chemical Name: Quartz CAS-No: 14808-60-7 CA Prop. 65: Carcinogen

SECTION 16: OTHER INFORMATION

Disclaimer: The information contained in this document applies to the specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for one's own particular use.