



Safety Data Sheet

Revision Date 11/24/2025

SECTION 1: Identification and Company Details

Product Name: FS410 FIRST STEP™ ENCAPSULATOR
Product Code: FS410-4

Manufacturer/ Supplier: Roberts Consolidated Industries, Inc.
Address: 300 Cross Plains Blvd.
Dalton, GA 30721

Emergency Phone: (800) 424-9300 (24-hour Response / CHEMTREC)
Product Information: (706) 277-5294

Recommended Use: Adhesive Encapsulator

SECTION 2: Hazard(s) Identification

OSHA / HCS Status: This product is not classified as hazardous under GHS criteria.

SECTION 3: Composition / Information on Ingredients

	<u>CAS #</u>	<u>Weight %</u>
Feldspar	68476-25-5	15-40
Quartz	14808-60-7	1- <5

SECTION 4: First-Aid Measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Remove contaminated clothing/shoes. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention. Wash contaminated clothing/shoes before reuse.

IF IN EYES: If this product comes in contact with eyes, gently flush with water for at least 15 minutes. If irritation persists, seek immediate medical attention.

IF SWALLOWED: DO NOT induce vomiting. Call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries: May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation :

Inhalation in high concentrations may cause irritation of the mucous membranes, may cause headache. Aspiration of this material into the lungs may cause chemical pneumonia or death.

Symptoms/injuries after skin contact:

Contact may cause mild skin irritation.

Symptoms/injuries after eye contact:

Contact may cause irritation.

Symptoms/injuries after

ingestion: Gastric discomfort.

Chronic symptoms: No data available.

Indication of any immediate medical attention and special treatment needed: No additional information available

SECTION 5: Fire-Fighting Measures

Suitable extinguishing media: Dry chemical. Carbon dioxide. Foam.

Special hazards arising from the substance

or mixture Explosion hazard: None.

Reactivity: No dangerous reactions known under normal conditions of use.

Advice for firefighters:

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

General measures: Mop up as much as possible, then flush residue with a large volume of water.

For non-emergency personnel:

Protective equipment: Wear Protective equipment as described in Section 8.

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders:

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

Methods and material for containment and cleaning up:

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up:

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

Reference to other sections: No additional information available

SECTION 7: Handling and Storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe mists.

Conditions for safe storage, including any incompatibilities: Keep only in the original container in a cool, well ventilated place away from: Heat sources. Keep container closed when not in use. Do not allow to freeze, as container may burst.

Specific end use(s): No additional information available

SECTION 8: Exposure Control / Personal Protection

Exposure Guidelines: Not determined

Engineering Controls: Provide adequate ventilation.

Personal Protective Equipment:

Skin Protection - Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol).

Eye/Face Protection - Glasses with side shields, chemical splash goggles and/or face shield.

<u>Chemical Name / CAS No.</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Feldspar/68476-25-5	15mg/m3 TWA(total dust) 5mg/m3 TWA (respirable)	2mg/m3 TWA (particulate matter containing no asbestos and <1% Crystalline silica, respirable)	NIOSH: 10mg/m3 TWA (total dust); 5mg/m3 TWA (respirable)
Quartz/14808-60-7	Not Established	0.025mg/m3 TWA (respirable)	NIOSH 0.05mg/m3 TWA (respirable dust)

SECTION 9: Physical and Chemical Properties

Physical state:	Liquid
Appearance:	Opaque
Color:	White (Dries translucent)
Odor:	Slight odor
Odor Threshold:	No data available
pH:	8.5-9.5
Relative evaporation rate (butyl acetate=1):	Slower than ether
Melting point:	No data available
Freezing point:	0 °C (32 °F)
Boiling point:	>100 °C (212 °F)
Flash point:	None to boiling
Self-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	No data available
Relative vapor density at 20 °C:	No data available
Relative density:	1.348 g/mL
Solubility:	No data available
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Explosive limits:	No data available

SECTION 10: Stability and Reactivity

Reactivity:	No dangerous reactions known under normal conditions of use.
Chemical stability:	Stable under recommended handling and storage conditions (see section 7).
Possibility of hazardous reactions:	None known.
Conditions to avoid:	Heat, freezing.
Incompatible materials:	May cause coagulation. Acids, multivalent metal salts.
Hazardous decomposition products:	Oxides of carbon and nitrogen.

SECTION 11: Toxicological Information

Acute toxicity:	Not classified <u>Vinyl Acrylic Based Polymer, Emulsifier, Surfactant Blend *data for a similar material</u> LD50 oral rat > 2000 mg/kg
-----------------	---

	LD50 dermal rat > 2000 mg/kg
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Specific target organ toxicity (repeated exposure):	Liver
Aspiration hazard:	May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation:	Inhalation in high concentrations may cause irritation of the mucous membranes. Aspiration of this material into the lungs may cause chemical pneumonia or death.
Symptoms/injuries after skin contact:	Contact may cause irritation.
Symptoms/injuries after eye contact:	Contact may cause irritation.
Symptoms/injuries after ingestion:	May be irritating to the mucous membranes.
Chronic symptoms:	No data available.

SECTION 12: Ecological Information

Toxicity:	No additional information available
Persistence and degradability:	No additional information available
Bio accumulative potential:	No additional information available
Mobility in soil:	No additional information available
Other adverse effects:	No additional information available

SECTION 13: Disposal Considerations

Waste treatment methods: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport Information

In accordance with DOT

Transport document description:	Cleaning Compound
Department of Transportation (DOT) Hazard Classes:	Not Regulated – Product does not sustain combustion
Other information:	Not regulated in pkg. of less than 119 gal.
Transport by sea:	No additional information available
Air transport:	No additional information available In accordance with ADR / RID / IMDG / IATA / AND

SECTION 15: Regulatory Information

Status on Substance Lists: The concentrations shown in this document are maximum levels (weight %) to be used for regulations.

TSCA: The components of this product are contained on the chemical substance inventory list

IARC: Not carcinogenic

OSHA PEL's None

Federal EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): Requires notification of the national response center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product at level which could require reporting under this statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known- **None**

NJ RTK

68476-25-5 Feldspar

14808-60-7 Quartz

Pennsylvania RTK

68476-25-5 Feldspar

14808-60-7 Quartz

SARA 302 Extremely Hazardous Substances - None

Massachusetts RTK

68476-25-5 Feldspar

14808-60-7 Quartz

EPA Hazard Classifications:

Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard
No	No	No	No	No

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at level which could require reporting under the statute are:

Feldspar	CAS No 68476-25-5	Threshold value% 1.0
----------	-------------------	----------------------

Canada DSL: All components are on the DSL list or exempt.

California Proposition 65: Does not contain any listed chemical to the best of our knowledge.

SECTION 16: Other Information

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 0 – Materials that will not burn under typical fire conditions.

NFPA reactivity: 0 – Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health : 1; Flammability : 0; Physical : 0; Personal Protection :

Prepared by: Roberts Consolidated Product Safety & Regulatory Compliance Group, (706) 277-5294

The information herein is given in good faith, but no warranty expressed or implied is made. Roberts Consolidated urges users of this product to evaluate its suitability and compliance with local regulations as Roberts Consolidated cannot foresee the final use of the product, nor the final location of usage.

Date of issue: 11/24/2025