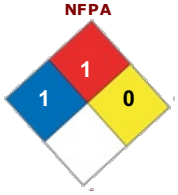
SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product Name:	**Sto Element Finish Fine**
Product Code:	81415
SDS Manufacturer Number:	81415
Product Use/Restriction:	Waterbased Acrylic Coating.
Manufacturer Name:	Sto Corp.
Address:	6175 Riverside Drive, SW Atlanta, Georgia 30331
General Phone Number:	(404) 346-3666
Emergency Phone Number:	(800) 424-9300
SDS Creation Date:	February 15, 2017
SDS Revision Date:	February 15, 2017
(M)SDS Format:	

NFPA



HMIS

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	X

SECTION 2 : HAZARD(S) IDENTIFICATION

GHS Pictograms:

Signal Word:	WARNING!
GHS Class:	Eye Irritant, Category 2. Skin Irritant, Category 2.
Hazard Statements:	Causes eye irritation. Causes skin irritation.
Precautionary Statements:	Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Emergency Overview:	WARNING! Irritant.
Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	May cause irritation.
Skin:	May cause irritation.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Calcium carbonate	1317-65-3	30 - 60 by weight	215-279-6
Dolomite	16389-88-1	10 - 30 by weight	240-440-2
Acrylic polymer	No Data	1 - 5 by weight	
Crystaline silica (Quartz)	14808-60-7	1 - 5 by weight	238-878-4
Paraffin emulsion	No Data	1 - 5 by weight	
Titanium dioxide	13463-67-7	0.1 - 1.0 by weight	236-675-5

SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	First Responders should provide for their own safety prior to rendering assistance.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:	Not determined.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use dry chemical or foam when fighting fires involving this material. Water mist may be used to cool closed containers.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Material may spatter above 100 °C/212 °F.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Methods for containment:	Contain spills with an inert absorbent material such as soil, sand or oil dry.
Methods for cleanup:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Store away from direct heat or sunlight, sources of UV radiation, peroxides, or free radicals. Do not store in temperatures above 49°C (120 °F) or below 9°C (48 °F). Keep away from direct sunlight.
Work Practices:	Handle in accordance with good industrial hygiene and safety practices.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Hand Protection Description:	Nitrile rubber or natural rubber gloves are recommended.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.
PPE Pictograms:	

EXPOSURE GUIDELINES

Crystaline silica (Quartz) :

Guideline ACGIH:	TLV-TWA: 0.025 mg/m3 (R)

Titanium dioxide :

Guideline ACGIH:	TLV-TWA: 10 mg/m3
Notes :	Only established PEL and TLV values for the ingredients are listed.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Odor:	Slight.
Boiling Point:	Not determined.
Melting Point:	0ºC (32ºF)
Specific Gravity:	> 1
Solubility:	Miscible in water.
Vapor Density:	Not determined.
Vapor Pressure:	Not determined.
Evaporation Rate:	Not determined.
pH:	8.5 - 9.5
Flash Point:	Not determined.
Auto Ignition Temperature:	Not determined.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under recommended handling and storage conditions.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 0°C (32°F).
Incompatible Materials:	Water reactive materials.
Special Decomposition Products:	Thermal decomposition can lead to release irritant fumes and toxic gases.

SECTION 11 : TOXICOLOGICAL INFORMATION

Calcium carbonate :

RTECS Number:	EV9580000
Inhalation:	Inhalation - Rat TCLo - Lowest published toxic concentration: 84 mg/m3/4H/40W (Intermittent) [Lungs, Thorax, or Respiration - Fibrosis (interstitial) Liver - Other changes Kidney/Ureter/Bladder - Other changes] Inhalation - Rat TCLo - Lowest published toxic concentration: 250 mg/m3/2H/24W (Intermittent) [Lungs, Thorax, or Respiration - Fibrosis, focal (pneumoconiosis)] (RTECS)

Crystaline silica (Quartz) :

RTECS Number:	VV7330000
Inhalation:	Inhalation - Rat TCLo - Lowest published toxic concentration: 248 mg/m3/6H [Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (intermediary) - Other proteins Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] Inhalation - Rat TCLo - Lowest published toxic concentration: 248 mg/m3/6H [Lungs, Thorax, or Respiration - Changes in lung weight Immunological Including Allergic - Increase in cellular immune response Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] Inhalation - Rat TCLo - Lowest published toxic concentration: 200 mg/kg [Lungs, Thorax, or Respiration - Fibrosis, focal (pneumoconiosis) Lungs, Thorax, or Respiration - Other changes Nutritional and Gross Metabolic - Changes in iron] Inhalation - Rat TCLo - Lowest published toxic concentration: 1 mg/kg [Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] Inhalation - Rat TCLo - Lowest published toxic concentration: 15 mg/m3/26W (Intermittent) [Lungs, Thorax, or Respiration - Other changes] Inhalation - Rat TCLo - Lowest published toxic concentration: 0.74 mg/m3/2Y (Intermittent) [Lungs, Thorax, or Respiration - Other changes] Inhalation - Rat TCLo - Lowest published toxic concentration: 10 mg/m3/75D (Intermittent) [Lungs, Thorax, or Respiration - Other changes] Inhalation - Rat TCLo - Lowest published toxic concentration: 6.2 mg/m3/6H/6W (Intermittent) [Lungs, Thorax, or Respiration - Other changes Blood - Changes in spleen Immunological Including Allergic - Increase in cellular immune response] Inhalation - Rat TCLo - Lowest published toxic concentration: 15 mg/m3/79D (Intermittent) [Lungs, Thorax, or Respiration - Fibrosing alveolitis Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation]

	Inhalation - Rat TCLo - Lowest published toxic concentration: 25 mg/m3/5D (Intermittent) [Lungs, Thorax, or Respiration - Fibrosis, focal (pneumoconiosis) Lungs, Thorax, or Respiration - Sputum Immunological Including Allergic - Increase in cellular immune response] Inhalation - Rat TCLo - Lowest published toxic concentration: 80 mg/m3/26W (Intermittent) [Lungs, Thorax, or Respiration - Fibrosis, focal (pneumoconiosis) Blood - Changes in spleen Immunological Including Allergic - Decrease in cellular immune response] Inhalation - Rat TCLo - Lowest published toxic concentration: 108 mg/m3/6H/3D (Intermittent) [Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - Phosphatases Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - Other oxidoreductases Biochemical - Metabolism (intermediary) - Other proteins] Inhalation - Rat TCLo - Lowest published toxic concentration: 58 mg/m3/13W (Intermittent) [Lungs, Thorax, or Respiration - Other changes Endocrine - Changes in thymus weight Blood - Changes in leukocyte (WBC) count] Inhalation - Rat TCLo - Lowest published toxic concentration: 96 mg/m3/5D (Intermittent) [Lungs, Thorax, or Respiration - Changes in lung weight Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - Multiple enzyme effects Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] Inhalation - rat TCLo: 50 mg/m3/6H/71W (intermittent) [Tumorigenic - carcinogenic by RTECS criteria Liver - tumors] (RTECS)
Ingestion:	Oral - Rat TDLo - Lowest published toxic dose : 120 gm/kg [Gastrointestinal - Hypermotility, diarrhea Gastrointestinal - Other changes] (RTECS)
Carcinogenicity:	Crystalline silica in the form of quartz or cristobalite dust causes cancer of the lung.. Normal application procedures for this product pose no hazard as to the release of crystalline silica dust, but grinding or sanding dried films of this product may yield some respirable crystalline silica.

Titanium dioxide :

Inhalation:	Inhalation - Rat TCLo - Lowest published toxic concentration: 1 mg/kg [Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] Inhalation - Rat TCLo - Lowest published toxic concentration: 250 mg/m3/6H/4W (Intermittent) [Lungs, Thorax, or Respiration - Chronic pulmonary edema Lungs, Thorax, or Respiration - Other changes] Inhalation - Rat TCLo - Lowest published toxic concentration: 50 mg/m3/6H/13W (Intermittent) [Lungs, Thorax, or Respiration - Structural or functional change in trachea or bronchi] Inhalation - Rat TCLo - Lowest published toxic concentration: 10 mg/m3/6H/13W (Intermittent) [Lungs, Thorax, or Respiration - Fibrosis (interstitial) Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] Inhalation - Rat TCLo - Lowest published toxic concentration: 10 mg/m3/13W (Intermittent) [Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] Inhalation - Rat TCLo - Lowest published toxic concentration: 50 mg/m3/13W (Intermittent) [Lungs, Thorax, or Respiration - Sputum Blood - Changes in cell count (unspecified) Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - Dehydrogenases] Inhalation - Rat TCLo - Lowest published toxic concentration: 250 mg/m3/13W (Intermittent) [Lungs, Thorax, or Respiration - Other changes Blood - Changes in cell count (unspecified) Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - Dehydrogenases] Inhalation - Rat TCLo - Lowest published toxic concentration: 274 mg/m3/5D (Intermittent) [Lungs, Thorax, or Respiration - Changes in lung weight Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - Multiple enzyme effects Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation] Inhalation - rat TCLo: 250 mg/m3/6H/2Y (intermittent) [Tumorigenic - carcinogenic by RTECS criteria Lungs, Thorax, or Respiration - tumors] Inhalation - rat TC: 10 mg/m3/18H/2Y (intermittent) [Tumorigenic - carcinogenic by RTECS criteria Lungs, Thorax, or Respiration - tumors] (RTECS)
Carcinogenicity:	(a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as paints.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	No environmental information found for this product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:	Dispose of in accordance with Local, State, Federal and Provincial regulations.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Non regulated.
DOT Hazard Class:	Non regulated.
IATA Shipping Name:	Non regulated.
IMDG UN Number :	Non regulated.

SECTION 15 : REGULATORY INFORMATION

SARA:	This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372).
California PROP 65:	The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains a chemical known to the State of California to cause cancer.
Canada WHMIS:	Xi - Irritant.
EU Class:	Irritant. In accordance to Regulation (EC) No 1272/2008 on the classification, labelling and packaging of

substances and mixtures.

Risk Phrases:	R36/37/38 - Irritating to eyes, respiratory system and skin.
Safety Phrase:	S23 - Do not breathe gas/fumes/vapour/spray. S37 - Wear suitable gloves.

Calcium carbonate :

TSCA Inventory Status:	Listed
EC Number:	215-279-6

Dolomite :

TSCA Inventory Status:	Listed
EC Number:	240-440-2

Crystaline silica (Quartz) :

TSCA Inventory Status:	Listed
California PROP 65:	IARC: Group 1: Carcinogenic to humans.
Canada DSL:	Listed
EC Number:	238-878-4

Titanium dioxide :

TSCA Inventory Status:	Listed
California PROP 65:	IARC: Group 2B: Possibly carcinogenic to humans.
Canada DSL:	Listed
EC Number:	236-675-5

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard:	1
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Personal Protection:	X

SDS Creation Date:	February 15, 2017
SDS Revision Date:	February 15, 2017
SDS Format:	

Disclaimer:

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