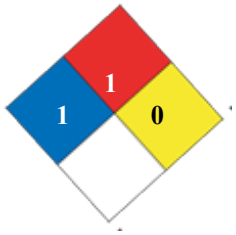
SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Name:	**Sto BTS-Plus**
Product Code:	80727
SDS Manufacturer Number:	80727
Product Use/Restriction:	Polymer Modified Cementitious Based Groundcoat/Adhesive
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:	July 08, 2013
SDS Revision Date:	July 08, 2013
(M)SDS Format:	

NFPA



HMIS

Health Hazard	**1**
Fire Hazard	**0**
Reactivity	**0**
Personal Protection	**1**

SECTION 2 - HAZARD(S) IDENTIFICATION

GHS Pictograms:

GHS Class:

Eye Damage, Category 1
Skin Irritant, Category 2
Acute Toxicity Oral, Category 4

Hazard Statements:

Causes serious eye damage
Causes skin irritation
May cause an allergic skin reaction
May cause respiratory irritation
May cause drowsiness or dizziness

Precautionary Statements:

Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Store locked up.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
IF INHALED: Remove victim 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 skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Store locked up. Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.
Emergency Overview:	Irritant.
Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	May cause irritation, burns and permanent tissue damage.
Skin:	May cause irritation, dry skin, redness, discomfort or burns.
Inhalation:	Prolonged or repeated inhalation may cause lung damage. Prolonged and repeated inhalation of respirable crystalline silica can cause silicosis, a chronic lung disease characterized by fibrosis and scarring of the lung tissue resulting in a decrease in lung function, breathlesness, wheezing, coughing and sputum production.
Ingestion:	May cause irritation. Ingesting large amounts may cause injury.
Signs/Symptoms:	Product is alkali when wet, excessive and prolonged exposure can cause severe irritation, burns and permanent tissue damage
Aggravation of Pre-Existing Conditions:	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Aluminum Silicate	1302-76-7	1 - 5 by weight	
Calcium sulfate	7778-18-9	1 - 5 by weight	
Crystaline silica (Quartz)	14808-60-7	60 - 100 by weight	
Ethylene vinyl acetate copolymer	24937-78-8	1 - 5 by weight	
Portland cement	65997-15-1	10 - 30 by weight	

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.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Non Flammable.
Flash Point:	No information.
Flash Point Method:	Data not available.
Auto Ignition Temperature:	Data not available.
Lower Flammable/Explosive Limit:	Data not available.
Upper Flammable/Explosive Limit:	Data not available.
Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Hazardous Combustion Byproducts:	Oxides of carbon, oxides of nitrogen and other organic substances may be formed.

NFPA Ratings:

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

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8. 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 and contact with eyes, skin and clothing.
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.
Work Practices:	Use good laboratory practice when working with chemicals. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Special Handling Procedures:	Material is alkaline when mixed with water. Use precaution and proper protective equipment

Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Good general ventilation should be sufficient to control airborne levels. Otherwise, use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls including use of a biosafety cabinet / fume hood to control airborne levels below recommended exposure limits.
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:	Protective laboratory coat, apron, or disposable garment recommended.
Hand Protection Description:	Use impervious gloves. Nitrile 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:	Follow good industrial hygiene practices when handling this material.
PPE Pictograms:	

EXPOSURE GUIDELINES

Calcium sulfate :

Guideline ACGIH:	TLV-TWA: 10 mg/m3 Inhalable fraction (I)
Guideline OSHA:	PEL-TWA: 15 mg/m3 Total particulate/dust (T) PEL-TWA: 5 mg/m3 Respirable fraction (R)

Crystaline silica (Quartz) :

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

Portland cement :

Guideline ACGIH:	TLV-TWA: 10 mg/m3 TLV-TWA: 1 mg/m3 Respirable fraction (R)
Guideline OSHA:	PEL-TWA: 5 mg/m3 Respirable fraction (R) PEL-TWA: 50 mppcf Total particulate/dust (T) PEL-TWA: 15 mg/m3 Total particulate/dust (T)

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Solid or powder.
Color:	Gray
Odor:	Little to no odor.
Boiling Point:	> 1832 °F (>1000 °C)
Melting Point:	No Data
Specific Gravity:	No Data

Solubility:	0.1 to 1.0% in water.
Vapor Density:	No Data
Vapor Pressure:	None.
Evaporation Rate:	No Data
pH:	No Data
Flash Point:	No information.
Flash Point Method:	Data not available.
Auto Ignition Temperature:	Data not available.

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid high temperature condition. Avoid contact with incompatible materials.
Incompatible Materials:	Not applicable.
Special Decomposition Products:	Oxides of carbon, oxides of nitrogen and other organic substances may be formed.

SECTION 11 - TOXICOLOGICAL INFORMATION

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 - Mouse TCLo - Lowest published toxic concentration : 40 mg/kg [Lungs, Thorax, or Respiration - Other changes] Inhalation - Mouse TCLo - Lowest published toxic concentration : 40 mg/kg [Immunological Including Allergic - Decrease in cellular immune response] Inhalation - Rat TCLo - Lowest published toxic concentration : 1 mg/kg (RTECS)
Ingestion:	Oral - Rat TDLo - Lowest published toxic dose : 120 gm/kg [Gastrointestinal - Hypermotility, diarrhea Gastrointestinal - Other changes] (RTECS)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

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.

Aluminum Silicate :

Canada DSL:	Listed

Calcium sulfate :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Crystaline silica (Quartz) :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Ethylene vinyl acetate copolymer :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Portland cement :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard:	1
HMIS Fire Hazard:	0
HMIS Reactivity:	0
HMIS Personal Protection:	1
SDS Creation Date:	July 08, 2013
SDS Revision Date:	July 08, 2013
Disclaimer:	The information and recommendations contained herein are, to the best of Sto Corp.'s knowledge and belief, accurate and reliable as of the date issued. Sto Corp. does not warrant or guarantee their accuracy or reliability, and Sto Corp. shall not be liable for any loss or damage arising out of their use thereof. The information and recommendations are offered for the users' consideration and examination, and it is the users' responsibility to satisfy itself that they are suitable and complete for its particular use.