

SECTION 1: IDENTIFICATION

1.1. GHS Product Identifier

Product Form: Mixture

Product Name: StoPanel® AWRB

Product Code: 81835, 81835-500

1.2. Recommended Use Of The Chemical And Restrictions On Use

Flexible fluid-applied air and water-resistive barrier membrane. Designed for use as part of a StoPanel wall system. For professional use only.

1.3. Supplier's Details

Company

Sto Corp.

6175 Riverside Drive SW

Atlanta, GA 30331

(800)221-2397

www.stocorp.com

1.4. Emergency Phone Number

Emergency Number : 800-424-9300 CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS UN classification

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Carc. 1A H350

Full text of hazard classes and H-statements : see section 16

2.2. GHS Label Elements, Including Precautionary Statements

GHS UN labeling

Hazard Pictograms (GHS-UN) :



Signal Word (GHS-UN) :

Danger

Hazard Statements (GHS-UN) :

H315 – Causes skin irritation

H319- Causes eye irritation

H350 - May cause cancer (Inhalation).

Precautionary Statements (GHS-UN) :

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe mist, spray, vapors.

P264 - Wash hands, forearms and face 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.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

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

P362+P364 - Take off contaminated clothing and wash it before reuse.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-UN)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	% by weight
Quartz, silica	(CAS-No.) 14808-60-7	30-60
1,2 Propanediol	(CAS-No.) 57-55-6	1-5
Aluminum Silicate	(CAS-No.) 1302-76-7	1-5
Titanium dioxide	(CAS-No.) 13463-67-7	1-5
Water based styrene acrylic, nonhazardous	Not Available	30-60
Naptha, petroleum, hydrotreated heavy	(CAS-No.) 64742-48-9	1-5

SECTION 4: FIRST AID MEASURES

4.1. Description of Necessary 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).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.

Eye Contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for at least 15 minutes. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms/Effects, Acute and Delayed

General: Skin irritation. Eye irritation. Exposure to silica and titanium oxide is not expected as product is in a wet form.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: May cause an irritation

Eye Contact: May cause irritation to eyes.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause cancer. Causes damage to organs through prolonged or repeated exposure. Finely divided Quartz dust has caused cancer and lung disease in workers that inhale it over an extended period of time. Since this product is in a liquid form, the Quartz dust is not able to become airborne and cannot be inhaled. Thus, the hazards usually associated with Quartz dust are not applicable to this product.

4.3. Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Specific Hazards Arising From the Chemical

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: As supplied, this product is a liquid. However, when dried this product may produce combustible dust when processed. Use caution when working with combustible dusts. Use appropriate engineering controls to keep generation of airborne dust to a minimum.

Reactivity: Quartz (silica) will dissolve in hydroflouric acid producing a corrosive gas, silicon tetrafluoride.

5.3. Special Protective Actions for Fire-Fighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

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

Other Information: May spatter at temperatures above 212 Fahrenheit. Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Formaldehyde. Hydrocarbons. Sulfur oxides. Nitrogen oxides. Hydrogen chloride. Bromine compounds.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Personal Precautions, Protective Equipment and Emergency Procedures

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Materials 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: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: As supplied, this product is a liquid. However, when dried this product may produce combustible dust when processed. Use caution when working with combustible dusts. Use appropriate engineering controls to keep generation of airborne dust to a minimum.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, spray, vapors. Avoid contact with eyes, skin and clothing.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Water reactive materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 – Suspected Human Carcinogen
Colombia	TWA (mg/m ³ , ppm)	0.025 mg/m ³ (respirable particulate matter)
Nicaragua	TWA (mg/m ³ , ppm)	0.025 mg/m ³ (respirable particulate matter)
Panama	STEL (mg/m ³ , ppm)	0.1 mg/m ³ (crystalline, respirable dust); 500 mppcf STEL (total); 0.1 mg/m ³ STEL (total)
Panama	TWA (mg/m ³ , ppm)	0.05 mg/m ³ (crystalline, respirable dust); 250 mppcf TWA (total); 0.05 mg/m ³ TWA (total)
Peru	TWA (mg/m ³ , ppm)	0.05 mg/m ³ (respirable particulate matter)
Titaniumdioxide (13463-67-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
Colombia	TWA (mg/m ³ , ppm)	10 mg/m ³
Nicaragua	TWA (mg/m ³ , ppm)	10 mg/m ³
Panama	STEL (mg/m ³ , ppm)	15 mg/m ³

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Panama	TWA (mg/m ³ , ppm)	15 mg/m ³
Peru	TWA (mg/m ³ , ppm)	10 mg/m ³

For substances listed in section 3 that are not listed above, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), Colombia, Nicaragua, Panama, or Peru. Exposure Controls

Appropriate Engineering Controls : Suitable eye/bodywash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.
Ensure all national/local regulations are observed

8.2 Individual Protection Measures, Such as Personal Protective Equipment (PPE)

Personal Protective Equipment : Gloves. Protective clothing. Safety glasses or Protective goggles.



Materials for Protective Clothing : Chemically resistant materials and fabrics.
Hand Protection : Wear protective gloves
Eye and Face Protection : Chemical safety glasses or goggles
Skin and Body Protection : Wear suitable protective clothing
Respiratory Protection : If exposure limits are exceeded or irritation is experienced, approved respiratory Protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection

Other Information : When using, do not eat, drink or smoke

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance : Liquid/Grey
Odor : Slight
Odor Threshold : No data available
pH : 7.5-10.0
Evaporation Rate : No data available
Melting Point : 32 Fahrenheit
Freezing Point : No data available
Boiling Point : No data available
Flash Point : No data available
Auto-ignition Temperature : No data available
Decomposition Temperature : No data available
Flammability (solid, gas) : Not applicable
Vapor Pressure : No data available
Relative Vapor Density at 20°C : No data available
Relative Density : No data available
Specific Gravity : > 1
Solubility : Water: Miscible
Partition Coefficient: N-Octanol/Water : No data available
Viscosity : No data available

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Quartz (silica) will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.
10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4. Conditions to Avoid: Heat, flames, ignition sources and freezing temperatures.

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10.5. **Incompatible Materials:** Water reactive materials

10.6. **Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO₂). Formaldehyde. Hydrocarbons. Sulfur oxides. Nitrogen oxides. Hydrogen chloride.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral) : Not classified

Acute Toxicity (Dermal) : Not classified

Acute Toxicity (Inhalation) : Not classified

Quartz (14808-60-7)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 5000 mg/kg
Titanium dioxide (13463-67-7)	
LD50 Oral Rat	> 10000 mg/kg
Naphtha, petroleum, hydrotreated heavy (64742-48-9)	
LD50 Oral Rat	> 6000 mg/kg
LD50 Dermal Rabbit	> 3160 mg/kg
LC50 Inhalation Rat	> 8500 mg/m ³ (Exposure time: 4 h)
ATE UN (dermal)	2,500.00 mg/kg body weight
1,2-Propanediol (57-55-6)	
LD50 Oral Rat	20300 mg/kg
LD50 Dermal Rabbit	20800mg/kg
LC50 Inhalation Rat	2180mg/m ³ /6H/90D

Skin Corrosion/Irritation: Category 2

pH: 7.0-10.0

Eye Damage/Irritation: Category 2

pH: 7.0-10.0

Respiratory or Skin Sensitization: May cause an skin irritation

Germ Cell Mutagenicity: No

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.

Quartz (14808-60-7)	
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Titanium dioxide (13463-67-7)	
IARC Group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Silica, amorphous, diatomaceous earth (68855-54-9)	
IARC Group	3

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Causes skin irritation.

Symptoms/Injuries After Eye Contact: Causes eye irritation with contact.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause cancer. Causes damage to organs through prolonged or repeated exposure. May cause genetic defects. Finely divided Quartz dust has caused cancer and lung disease in workers that inhale it over an extended period of time. Since this product is in a liquid form, the Quartz dust is not able to become airborne and cannot be inhaled. Thus, the hazards usually associated with Quartz dust are not applicable to this product.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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Ecology – General : Not classified

Hazardous To The Aquatic Environment, Short-Term (Acute): Not classified

Hazardous To The Aquatic Environment, Long-Term (Chronic): Not classified

Naphtha, petroleum, hydrotreated heavy (64742-48-9)

LC50 Fish 1	2200 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
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12.2. Persistence and Degradability

Sto Panel AWRB	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Sto Panel AWRB	
Bioaccumulative Potential	Not established.

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Ozone : Not classified

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Ecology - Waste Materials: Avoid release to the environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with UN RTDG, IMDG, and IATA

UN RTDG	IMDG	IATA
14.1. UN Number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport Hazard Class(es)		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
14.4. Packing Group		
Not applicable	Not applicable	Not applicable
14.5. Environmental Hazards		
Not applicable	Not applicable	Not applicable

14.6. Special Precautions For User No additional information available

14.7. Transport in Bulk According to Annex II of MARPOL and The IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. International Regulatory Lists

Quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer) Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

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<p>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed as carcinogen on NTP (National Toxicology Program) Listed on the Canadian IDL (Ingredient Disclosure List) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)</p>
<p>Titanium Oxide Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed as carcinogen on NTP (National Toxicology Program) Listed on the Canadian IDL (Ingredient Disclosure List) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)</p>
<p>1,2-Propanediol Listed on the Canadian DSL (Domestic Substances List) Listed on the United States TSCA (Toxic Substances Control Act) inventory EC Number 200-338-0</p>
<p>Aluminum Silicate Listed on the Canadian DSL (Domestic Substances List) EC Number 215-106-4</p>

15.1. International Agreements

Titanium dioxide (13463-67-7)
This chemical is subject to the International Convention for the Prevention of Pollution from Ships (MARPOL)
This chemical is subject to the International Convention for the Prevention of Pollution from Ships (MARPOL)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 01/31/2023
Data Sources : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.
Other Information : According To The United Nations Ghs (Rev. 6, 2015)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

UN Latin America GHS SDS (Bolivia, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Peru)

GHS Full Text Phrases:

Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
H315	Causes skin irritation

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H319	Causes eye irritation
H335	May cause respiratory irritation
H340	May cause genetic defects
H341	Suspected of causing genetic defects
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure

Abbreviations and Acronyms:

ACGIH – American Conference of Governmental Industrial Hygienists	Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water
AIHA – American Industrial Hygiene Association	MARPOL – International Convention for the Prevention of Pollution
ATE - Acute Toxicity Estimate	MFAG-No - Medical First Aid Guide for Use in Accidents Involving Dangerous Goods
BCF - Bioconcentration Factor	NOAEL - No-Observed Adverse Effect Level
BEI - Biological Exposure Indices (BEI)	NOEC - No-Observed Effect Concentration
BOD – Biochemical Oxygen Demand	NTP – National Toxicology Program
CAS No. - Chemical Abstracts Service Number	OEL - Occupational Exposure Limits
COD – Chemical Oxygen Demand	OSHA – Occupational Safety and Health Administration pH – Potential Hydrogen
EC50 - Median Effective Concentration	
EmS-No. (Fire) - IMDG Emergency Schedule Fire	SDS - Safety Data Sheet
EmS-No. (Spillage) - IMDG Emergency Schedule Spillage	SRCL - Specifically Regulated Carcinogen List
ErC50 - EC50 in Terms of Reduction Growth Rate	STEL - Short Term Exposure Limit
ERG code (IATA) - Emergency Response Drill Code as found in the International Civil Aviation Organization (ICAO)	ThOD – Theoretical Oxygen Demand
GHS – Globally Harmonized System of Classification and Labeling	TLM - Median Tolerance Limit
HCCL - Hazard Communication Carcinogen List	TLV - Threshold Limit Value
IARC - International Agency for Research on Cancer	TPQ - Threshold Planning Quantity
IATA - International Air Transport Association	TWA - Time Weighted Average
IBC – International Bulk Chemical Code	UN – United Nations
IMDG - International Maritime Dangerous Goods	UN RTDG – United Nations Recommendations on the Transport of Dangerous Goods
LC50 - Median Lethal Concentration	VOC – Volatile Organic Compounds
LD50 - Median Lethal Dose	WEEL - Workplace Environmental Exposure Levels
LOAEL - Lowest Observed Adverse Effect Level	
LOEC - Lowest-Observed-Effect Concentration	
Log Koc - Soil Organic Carbon-water Partitioning Coefficient	
Log Kow - Octanol/water Partition Coefficient	