

Sto Powerflex Finish

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
 Revision Date: 10/25/2022 Date of Issue: 10/20/2022 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Sto Powerflex Finish: StoPowerflex Fine, Medium, Freeform, Silco Fine, Silco Medium, Silco Swirl, Silco Freeform

Product Code: 80280, 80281, 80283, 80285, 80286, 80287, 80288

1.2. Intended Use of the Product

Use Of The Substance/Mixture: Ready-mixed, acrylic-based, elastomeric textured finish .

1.3. Name, Address, and Telephone of the Responsible Party Company

Sto Corp.

3800 Camp Creek Pkwy

Bldg 1400, Ste 120

Atlanta, GA 30331

404-346-3666

www.stocorp.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300 CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Skin sensitization, Category 1 H317

Carcinogenicity Category 1A H350

Specific target organ toxicity — Single exposure, Category 3, H335

Respiratory tract irritation

Specific target organ toxicity (repeated exposure) Category 1 H372

Hazardous to the aquatic environment - Acute Hazard Category 3 H402

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

: H317 - May cause an allergic skin reaction.
 H335 - May cause respiratory irritation.
 H350 - May cause cancer (Inhalation).
 H372 - Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (Inhalation).
 H402 - Harmful to aquatic life.

Precautionary Statements (GHS-US/CA)

: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe vapors, mist, or spray.
 P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 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.
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for

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breathing.

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

P312 - Call a POISON CENTER or doctor if you feel unwell.

P321 - Specific treatment (see section 4 on this SDS).

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

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

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

2.3. Other Hazards

This product contains Crystalline Silica dust that is mixed with a liquid to form a paste mixture, and therefore the dust is not likely to be dispersed into the air. If dust is released into the air, repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation. This product contains an ingredient that is a potential combustible dust. In sufficient quantities in air with an ignition source this material may present a combustible dust hazard. Take appropriate precautions, avoid sparks and other ignition sources. Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Limestone	Calcium carbonate / Marble / Natural calcium carbonate / Acetate, 4-methyl-2-propyl-2H-tetrahydropyran-4-yl / Limestone (A noncombustible solid characteristic of sedimentary rock. It consists primarily of calcium carbonate.) / Ground limestone / Chalk / Limestone (sedimentary rock) / Calcite / Limestone ground	(CAS-No.) 1317-65-3	30 – 60	Not classified
Quartz	Quartz (SiO ₂) / Silica, crystalline, quartz / Crystalline silica, quartz / .alpha.-Quartz / Silica, crystalline, .alpha.-quartz / Silica, crystalline-.alpha.quartz / Silica, .alpha.-quartz / Silicon dioxide / Silica, quartz / Silica, crystalline / Quartz (crystalline silica) / Silica dust, crystalline / QUARTZ POWDER / Silica, crystalline (quartz) / Silica dust / Quartz (respirable fraction) / Quartz, silica / Crystalline silica in the form of quartz / QUARTZ	(CAS-No.) 14808-60-7	10 – 40	Carc. 1A, H350 STOT SE 3, H335 STOT RE 1, H372
Silica, amorphous, diatomaceous earth	Diatomaceous earth, ignited / Silica, amorphous and synthetic, diatomaceous earth, calcined / Calcined diatomaceous earth / Silicon dioxide (diatomaceous earth) / Silica, amorphous, soda ash flux-calcinated / Flux-calcined diatomaceous earth /	(CAS-No.) 68855-54-9	≤ 10	STOT RE 1, H372

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	Diatomite / Diatomaceous earth, soda ash flux-calcined / Flux calcined diatomaceous earth / Silica, amorphous, silica fume, calcined diatomaceous earth / Diatomaceous earth, natural / Kieselguhr, soda ash, flux calcined / Diatomaceous earth / Silica, amorphous, diatomaceous earth / Diatomaceous earth, calcined / Diatomaceous earth (amorphous)			
Silica, cristobalite	Cristobalite / Cristobalite (SiO ₂) / Silica, crystalline - cristobalite / Silica, crystalline, cristobalite / Cristobalite (Silica) / Silica, crystalline cristobalite / Silica - crystalline, cristobalite / Silica crystalline cristobalite / Crystalline SiO ₂ , cristobalite / Silica (crystalline, cristobalite) / Silica, crystalline-cristobalite / Silica-crystalline cristobalite / Silica, crystalline (cristobalite) / Silica crystalline / Silica crystalline, cristobalite / Crystalline silica in the form of cristobalite / Silica / Silica, crystalline	(CAS-No.) 14464-46-1	1 – 7	Carc. 1A, H350 STOT RE 1, H372
Acrylic polymers	-		1 – 5	Not classified
Titanium dioxide	C.I. 77891 / C.I. Pigment White 6 / Titanium oxide (TiO ₂) / CI 77891 / Titanium(IV) oxide / C.I. Pigment White 7 / Pigment White 6 / Titanium dioxide nanoparticles / Titanium oxide	(CAS-No.) 13463-67-7	0.1 – 1	Carc. 2, H351
Perlite	Perlite, expanded / Perlite / PERLITE / Expanded perlite	(CAS-No.) 93763-70-3	≤ 1	Not classified
1,2-Benzisothiazol-3(2H)-one	1,2-Benzisothiazolin-3-one / Benzisothiazolinone / 1,2-Benzisothiazolone / 1,2-Benzisothiazol-3-one / Benzisothiazolin-3-one, 1,2- / BENZISOTHIAZOLINONE / benzisothiazolinone	(CAS-No.) 2634-33-5	≤ 0.105	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust
Benzophenone	Benzoylbenzene / Diphenyl ketone / Methanone, diphenyl- / BENZOPHENONE	(CAS-No.) 119-61-9	0.01 – 0.06	Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
3(2H)-Isothiazolone, 2-methyl-	2-Methyl-3-isothiazolone / 3-Isothiazolone, 2-methyl- / 2-Methyl-2H-isothiazol-3-one / 2-Methyl-4-isothiazolin-3-one / 2-Methyl-4-isothiazolone-3-one / Methylisothiazolinone / Methylisothiazolone / Methyl-4-isothiazolin-3-one, 2- / METHYLISOTHIAZOLINONE / MIT / 2-Methyl-2,3-dihydroisothiazol-3-one / 2-	(CAS-No.) 2682-20-4	≤ 0.053	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400

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	Methylisothiazol-3(2H)-one / 3(2H)-Isothiazolon-3-one, 2-methyl- / 2-Methylisothiazolin-3(2H)-one / N-Methyl-isothiazolone / methylisothiazolinone			Aquatic Chronic 1, H410
Ammonium hydroxide	Ammonia, aqueous solution / Ammonium hydroxide ((NH ₄)(OH)) / Ammonia aqueous / Ammonia solution / AMMONIUM HYDROXIDE / Ammonia, aqueous / Ammonia solutions / Ammonia ...% / Ammonia water / Ammonia	(CAS-No.) 1336-21-6	≤ 0.02	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	TXIB / Texanolisobutyrate / 2,2,4-Trimethylpentanediol diisobutyrate / Trimethyl pentanyl diisobutyrate / 2,2,4-Trimethylpentane-1,3-diyl diisobutyrate / TRIMETHYL PENTANYL DIISOBUTYRATE / Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester / Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl ester / 1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate / Isobutyric acid, 1-isopropyl-2,2-dimethyltrimethylene ester / Diisobutyrate, 2,2,4-trimethyl-1,3-pentanediyl	(CAS-No.) 6846-50-0	0.008 – 0.016	Repr. 2, H361 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
3(2H)-Isothiazolone, 5-chloro-2-methyl-	5-Chloro-2-methyl-3-isothiazolone / 5-Chloro-2-methyl-2H-isothiazol-3-one / 5-Chloro-2-methyl-4-isothiazolin-3-one / Isothiazol(2H)-3-one, 5-chloro-2-methyl- / 4-Isothiazolin-3-one, 5-chloro-2-methyl- / Methylchloroisothiazolinone / METHYLCHLOROISOTHAZOLINONE / 5-Chloro-2-methyl-3(2H)-isothiazolone / 2-Methyl-5-chloroisothiazolin-3-one / 5-Chloro-2-methyl-isothiazolone-3(2H)-one / 2-Methyl-5-chloro-2H-isothiazol-3-one / 3(2H)-Isothiazolon-3-one, 5-chloro-2-methyl- / CIT / 5-Chloro-2-methyl-isothiazolin-3(2H)-one / 5-Chloro-2-methyl-4-thiazoline-3-ketone / 5-Chloro-2-methylisothiazol-3(2H)-one / 2H-Isothiazol-3-one, 5-chloro-2-methyl- / 5-Chloro-2-methylisothiazolone / methylchloroisothiazolinone	(CAS-No.) 26172-55-4	≤ 0.011	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

* The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200. Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%). Full text of H-statements: see section 16.

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SECTION 4: FIRST AID MEASURES

4.1. Description of 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. Wash affected area with soap and water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.

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

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

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Contact with dusts from cutting/sanding/lathing/milling/grinding operation may produce the following symptoms. May cause damage to organs (lung/respiratory system) through prolonged or repeated exposure (Inhalation). May cause cancer by inhalation. . May cause respiratory irritation. Skin sensitization.

Inhalation: This product contains Crystalline Silica dust that is mixed with a liquid to form a paste mixture, and therefore the dust is not likely to be dispersed into the air. If dust is released into the air, repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation. Irritation of the respiratory tract and the other mucous membranes.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: May cause slight irritation to eyes.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: This product contains Crystalline Silica dust that is mixed with a liquid to form a paste mixture, and therefore the dust is not likely to be dispersed into the air. If dust is released into the air, repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation. May cause cancer by inhalation. May produce an allergic reaction.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

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. Special Hazards Arising From the Substance or Mixture

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

Explosion Hazard: Product is not explosive. As supplied, this product is a liquid. However, when cured and dried this product may produce combustible dust when cut, sanded, ground, or otherwise processed. Use caution when working with combustible dusts. Use appropriate engineering controls to keep generation of airborne dust to a minimum. Contains substances that are combustible dusts. If dried and allowed to accumulate, may form combustible dust concentrations in air that could ignite and cause an explosion. Take appropriate precautions.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

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.

Hazardous Combustion Products: Carbon oxides, Nitrogen oxides. Silica compounds. Calcium oxides. Titanium oxides. Hydrocarbons.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

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5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not handle until all safety precautions have been read and understood. The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Avoid breathing dust, Avoid generating dust. Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing.

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 Personnel

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. Environmental Precautions

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. Absorb and/or contain spill with inert material. 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: This product contains Crystalline Silica dust that is mixed with a liquid to form a paste mixture, and therefore the dust is not likely to be dispersed into the air. If dust is released into the air, repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation.

Precautions for Safe Handling: Obtain special instructions before use. 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. Avoid contact with eyes, skin and clothing. Do not breathe vapors, spray, mist, dust.

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: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

For industrial use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Limestone (1317-65-3)		
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
USA NIOSH	NIOSH REL (TWA)	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
Alberta	OEL TWA	10 mg/m ³
British Columbia	OEL STEL	20 mg/m ³ (total)
British Columbia	OEL TWA	10 mg/m ³ (total dust)

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		3 mg/m ³ (respirable fraction)
New Brunswick	OEL TWA	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
Nunavut	OEL STEL	20 mg/m ³
Nunavut	OEL TWA	10 mg/m ³
Northwest Territories	OEL STEL	20 mg/m ³
Northwest Territories	OEL TWA	10 mg/m ³
Québec	VEMP (OEL TWA)	10 mg/m ³ (Limestone, containing no Asbestos and <1% Crystalline silica-total dust)
Saskatchewan	OEL STEL	20 mg/m ³
Saskatchewan	OEL TWA	10 mg/m ³
Yukon	OEL STEL	20 mg/m ³
Yukon	OEL TWA	30 mppcf 10 mg/m ³
Quartz (14808-60-7)		
USA ACGIH	ACGIH OEL TWA	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	A2 - Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) [1]	50 µg/m ³ (Respirable crystalline silica)
USA OSHA	OSHA PEL (TWA) [2]	(250)/(%SiO ₂ +5) mppcf TWA (respirable fraction) (10)/(%SiO ₂ +2) mg/m ³ TWA (respirable fraction) (For any operations or sectors for which the respirable crystalline silica standard, 1910.1053, is stayed or otherwise not in effect, See 20 CFR 1910.1000 TABLE Z-3)
USA NIOSH	NIOSH REL (TWA)	0.05 mg/m ³ (respirable dust)
USA IDLH	IDLH	50 mg/m ³ (respirable dust)
Alberta	OEL TWA	0.025 mg/m ³ (respirable particulate)
British Columbia	OEL TWA	0.025 mg/m ³ (respirable)
Manitoba	OEL TWA	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA	0.1 mg/m ³ (respirable fraction)
Newfoundland & Labrador	OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Nunavut	OEL TWA	0.05 mg/m ³ (Trydimite removed-respirable fraction (Silica - crystalline))
Northwest Territories	OEL TWA	0.05 mg/m ³ (Trydimite removed-respirable fraction (Silica - crystalline))
Ontario	OEL TWA	0.1 mg/m ³ (designated substances regulation-respirable fraction (Silica, crystalline))
Prince Edward Island	OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Québec	VEMP (OEL TWA)	0.1 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA	0.05 mg/m ³ (Trydimite removed-respirable fraction (Silica - crystalline (Trydimite removed)))
Yukon	OEL TWA	300 particle/mL (Silica - Quartz, crystalline)
Titanium dioxide (13463-67-7)		
USA ACGIH	ACGIH OEL TWA	10 mg/m ³
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (total dust)
USA NIOSH	NIOSH REL (TWA)	2.4 mg/m ³ (CIB 63-fine) 0.3 mg/m ³ (CIB 63-ultrafine, including engineered nanoscale)
USA IDLH	IDLH	5000 mg/m ³
Alberta	OEL TWA	10 mg/m ³
British Columbia	OEL TWA	10 mg/m ³ (total dust)

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		3 mg/m ³ (respirable fraction)
Manitoba	OEL TWA	10 mg/m ³
New Brunswick	OEL TWA	10 mg/m ³
Newfoundland & Labrador	OEL TWA	10 mg/m ³
Nova Scotia	OEL TWA	10 mg/m ³
Nunavut	OEL STEL	20 mg/m ³
Nunavut	OEL TWA	10 mg/m ³
Northwest Territories	OEL STEL	20 mg/m ³
Northwest Territories	OEL TWA	10 mg/m ³
Ontario	OEL TWA	10 mg/m ³
Prince Edward Island	OEL TWA	10 mg/m ³
Québec	VEMP (OEL TWA)	10 mg/m ³ (containing no Asbestos and <1% Crystalline silica-total dust)
Saskatchewan	OEL STEL	20 mg/m ³
Saskatchewan	OEL TWA	10 mg/m ³
Yukon	OEL STEL	20 mg/m ³
Yukon	OEL TWA	30 mppcf 10 mg/m ³
Silica, amorphous, diatomaceous earth (68855-54-9)		
Yukon	OEL TWA	300 particle/mL (as measured by Konimeter instrumentation (Silica)) 20 mppcf (as measured by Impinger instrumentation (Silica)) 1.5 mg/m ³ (respirable mass (Silica))
Silica, cristobalite (14464-46-1)		
USA ACGIH	ACGIH OEL TWA	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) [1]	50 µg/m ³ (Respirable crystalline silica)
USA OSHA	OSHA PEL (TWA) [2]	(1/2)(250)/(100+5) mppcf (respirable fraction) (1/2)(10)/(100+2) mg/m ³ (respirable fraction) (For any operations or sectors for which the respirable crystalline silica standard, 1910.1053, is stayed or otherwise not in effect, See 29 CFR 1910.1000 TABLE Z-3)
USA NIOSH	NIOSH REL (TWA)	0.05 mg/m ³ (respirable dust)
USA IDLH	IDLH	25 mg/m ³ (respirable dust)
Alberta	OEL TWA	0.025 mg/m ³ (respirable particulate)
British Columbia	OEL TWA	0.025 mg/m ³ (respirable)
Manitoba	OEL TWA	0.025 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA	0.05 mg/m ³ (respirable fraction)
Newfoundland & Labrador	OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Nunavut	OEL TWA	0.05 mg/m ³ (Trydimite removed-respirable fraction (Silica - crystalline))
Northwest Territories	OEL TWA	0.05 mg/m ³ (Trydimite removed-respirable fraction (Silica - crystalline))
Ontario	OEL TWA	0.05 mg/m ³ (designated substances regulation-respirable fraction (Silica, crystalline))
Prince Edward Island	OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Québec	VEMP (OEL TWA)	0.05 mg/m ³ (respirable dust)
Saskatchewan	OEL TWA	0.05 mg/m ³ (Trydimite removed-respirable fraction (Silica - crystalline (Trydimite removed)))
Yukon	OEL TWA	150 particle/mL (Silica)

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Benzophenone (119-61-9)		
USA AIHA	WEEL TWA	0.5 mg/m ³
Perlite (93763-70-3)		
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (General Industry - total dust)
USA NIOSH	NIOSH REL (TWA)	10 mg/m ³ (total dust)
		5 mg/m ³ (respirable dust)
British Columbia	OEL TWA	10 mg/m ³ (total dust)
		3 mg/m ³ (respirable fraction)
New Brunswick	OEL TWA	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
Nunavut	OEL STEL	20 mg/m ³
Nunavut	OEL TWA	10 mg/m ³
Northwest Territories	OEL STEL	20 mg/m ³
Northwest Territories	OEL TWA	10 mg/m ³
Saskatchewan	OEL STEL	20 mg/m ³
Saskatchewan	OEL TWA	10 mg/m ³
Yukon	OEL TWA	30 mppcf

8.2. Exposure Controls

Appropriate Engineering Controls: Suitable eye/body wash 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.

Personal Protective Equipment: Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection. Protective goggles or glasses.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical goggles or safety glasses.

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

Physical State	: Liquid
Appearance	: Paste
Odor	: Minimal to no odor
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
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	: Not applicable
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available

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Relative Density	: No data available
Specific Gravity	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

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. Product is not a dust as supplied; however, product dusts may be combustible.

10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials. Avoid creating or spreading dust.

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides, Nitrogen oxides. Oxides of titanium. Silicon oxides. Oxides of calcium. Hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data:

No additional information available

Skin Corrosion/Irritation: Not classified

Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: May cause cancer (Inhalation).

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (Inhalation).

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: This product contains Crystalline Silica dust that is mixed with a liquid to form a paste mixture, and therefore the dust is not likely to be dispersed into the air. If dust is released into the air, repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation. Irritation of the respiratory tract and the other mucous membranes.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

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

Chronic Symptoms: This product contains Crystalline Silica dust that is mixed with a liquid to form a paste mixture, and therefore the dust is not likely to be dispersed into the air. If dust is released into the air, repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation, May cause cancer by inhalation, May produce an allergic reaction

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
LD50 Oral Rat	1020 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
3(2H)-Isothiazolone, 2-methyl- (2682-20-4)	

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LD50 Oral Rat	120 mg/kg
LD50 Dermal Rabbit	242 mg/kg
LC50 Inhalation Rat	0.11 mg/l/4h
3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)	
LD50 Oral Rat	481 mg/kg
LC50 Inhalation Rat	1.23 mg/l/4h
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)	
LD50 Oral Rat	> 3200 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5.3 mg/l (Exposure time: 6 h)
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
LC50 Inhalation Rat	5.09 mg/l/4h
Silica, amorphous, diatomaceous earth (68855-54-9)	
LD50 Oral Rat	> 2000 mg/kg
LC50 Inhalation Rat	> 2.6 mg/l/4h (No deaths)
Ammonium hydroxide (1336-21-6)	
LD50 Oral Rat	350 mg/kg
Benzophenone (119-61-9)	
LD50 Oral Rat	> 10 g/kg
LD50 Dermal Rabbit	3535 mg/kg
Perlite (93763-70-3)	
LD50 Oral Rat	12960 mg/kg (Mouse)
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
Silica, amorphous, diatomaceous earth (68855-54-9)	
IARC Group	3
Silica, cristobalite (14464-46-1)	
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Benzophenone (119-61-9)	
IARC Group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Harmful to aquatic life.

1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
EC50 - Crustacea [1]	0.99 mg/l
3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)	
LC50 Fish 1	1.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])

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According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

EC50 - Crustacea [1]	4.71 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	0.12 (0.12 – 0.3) mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)	
LC50 Fish 1	6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	> 1.46 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 algae	8 mg/l
NOEC Chronic Crustacea	3.2 mg/l
Ammonium hydroxide (1336-21-6)	
LC50 Fish 1	8.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 - Crustacea [1]	0.66 mg/l (Exposure time: 48 h - Species: water flea)
NOEC Chronic Crustacea	3.47 mg/l
Benzophenone (119-61-9)	
LC50 Fish 1	13.2 – 15.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
ErC50 algae	3.53 mg/l
NOEC Chronic Crustacea	0.2 mg/l

12.2. Persistence and Degradability

Sto Powerflex Line	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Sto Powerflex Line	
Bioaccumulative Potential	Not established.
1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
Partition coefficient n-octanol/water (Log Pow)	0.99 (at 20 °C (at pH 5))
3(2H)-Isothiazolone, 2-methyl- (2682-20-4)	
Partition coefficient n-octanol/water (Log Pow)	-0.26 (at 20 °C (at pH 5))
3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)	
Partition coefficient n-octanol/water (Log Pow)	-0.71 – 0.75 (at 20 °C)
Silica, amorphous, diatomaceous earth (68855-54-9)	
BCF Fish 1	(no known bioaccumulation)
Benzophenone (119-61-9)	
BCF Fish 1	3.4 – 9.2
Partition coefficient n-octanol/water (Log Pow)	3.18

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: Do not empty into drains. Do not dispose of waste into sewer.

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

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic 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.

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14.1. In Accordance with DOT

Not regulated for transport

14.2. In Accordance with IMDG

Not regulated for transport

14.3. In Accordance with IATA

Not regulated for transport

14.4. In Accordance with TDG

Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Sto Powerflex Line	
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Carcinogenicity Health hazard - Respiratory or skin sensitization
1,2-Benzisothiazol-3(2H)-one (2634-33-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
3(2H)-Isothiazolone, 2-methyl- (2682-20-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance. SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance. SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Limestone (1317-65-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Quartz (14808-60-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Titanium dioxide (13463-67-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Silica, amorphous, diatomaceous earth (68855-54-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Silica, cristobalite (14464-46-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Ammonium hydroxide (1336-21-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	1000 lb
Benzophenone (119-61-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	


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According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

15.2. US State Regulations

California Proposition 65

 **WARNING:** This product can expose you to Quartz, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Quartz (14808-60-7)	X			
Titanium dioxide (13463-67-7)	X			
Silica, cristobalite (14464-46-1)	X			
Benzophenone (119-61-9)	X			

Limestone (1317-65-3)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

Quartz (14808-60-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

Titanium dioxide (13463-67-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

Silica, amorphous, diatomaceous earth (68855-54-9)

U.S. - Pennsylvania - RTK (Right to Know) List

Silica, cristobalite (14464-46-1)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

Ammonium hydroxide (1336-21-6)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Perlite (93763-70-3)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

15.3. Canadian Regulations

1,2-Benzisothiazol-3(2H)-one (2634-33-5)

Listed on the Canadian DSL (Domestic Substances List)

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)

Listed on the Canadian DSL (Domestic Substances List)

3(2H)-Isothiazolone, 5-chloro-2-methyl- (26172-55-4)

Listed on the Canadian DSL (Domestic Substances List)

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)

Listed on the Canadian DSL (Domestic Substances List)

Limestone (1317-65-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

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Quartz (14808-60-7)
Listed on the Canadian DSL (Domestic Substances List)
Titanium dioxide (13463-67-7)
Listed on the Canadian DSL (Domestic Substances List)
Silica, amorphous, diatomaceous earth (68855-54-9)
Listed on the Canadian DSL (Domestic Substances List)
Silica, cristobalite (14464-46-1)
Listed on the Canadian DSL (Domestic Substances List)
Ammonium hydroxide (1336-21-6)
Listed on the Canadian DSL (Domestic Substances List)
Benzophenone (119-61-9)
Listed on the Canadian DSL (Domestic Substances List)
Perlite (93763-70-3)
Listed on the Canadian DSL (Domestic Substances List)

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

Date of Preparation or Latest : 10/25/2022

Revision

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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.