



# **SECTION 1: IDENTIFICATION**

Product Identifier Product Form: Hardener Product Name: Pango® Sealant Part B

#### Intended Use of the Product

Mixed with Pango<sup>®</sup> Sealant Part A; sealant around pipe penetrations.

**Company Name, Address, and Telephone of the Responsible Party** Stego Industries, LLC 216 Avenida Fabricante #101

San Clemente, CA 92672 USA Main Contact Number: (877) 464-7834

#### Emergency Telephone Number

Emergency Number: 1 (800) 424-9300 (24 Hrs.) CHEMTREC

### **SECTION 2: HAZARDS IDENTIFICATION**

#### HAZARD CLASSIFICATION

#### **Health Hazards**

Acute toxicity (Inhalation - dust and mist): Category 4 Skin Corrosion/Irritation: Category 1A Serious Eye Damage/Eye Irritation: Category 1 Carcinogenicity: Category 1A Toxic to Reproduction: Category 2

#### Unknown Toxicity - Health

Acute Toxicity, oral: 31.12 % Acute Toxicity, dermal: 69.89 % Acute Toxicity, inhalation, vapor: 100 % Acute Toxicity, inhalation, dust or mist: 99.52 %

#### **Environmental Hazards**

Acute Hazards to the Aquatic Environment: Category 1

#### **Unknown Toxicity - Environment**

Acute Hazards to the Aquatic Environment: 63.48 % Chronic Hazards to the Aquatic Environment: 100 %

#### LABEL ELEMENTS

Signal Word: Danger Hazard Symbols:





# PANGO<sup>®</sup> SEALANT PART B SAFETY DATA SHEET

### Revision Date: December 8, 2022 | Date of Issue: September 1, 2020 | Version Number: 4.0

# SECTION 2: HAZARDS IDENTIFICATION Continued...

#### Hazard Statements:

Harmful if inhaled. Causes severe skin burns and eye damage. May cause cancer. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life.

#### Precaution Statements (Prevention):

Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.

#### **Precaution Statements (Response):**

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IF ON SKIN** (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse. Collect spillage.

Precaution Statements (Storage): Store locked up.

#### Precaution Statements (Disposal):

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) Not Otherwise Classified (HNOC): None.

# **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

#### MIXTURES

Chemical Identity	CAS#	Content In Percent (%)*
4-Nonylphenol	84852-15-3	25 - <50%
Talc	14807-96-6	20 - <50%
Poly(oxypropylene) diamine	9046-10-0	20 - <50%
Tris(dimethylaminomethyl)phenol	90-72-2	1 - <3%
2-Methyl-1,5-pentanediamine	15520-10-2	1 - <5%
4-tert-Butylphenol	98-54-4	0.1 - <1%
m-Xylenediamine	1477-55-0	0 - <1%
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	0.1 - <1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.



# **SECTION 4: FIRST AID MEASURES**

**Ingestion:** Rinse mouth. Call a physician or poison control center immediately. Never give liquid to an unconscious person. Do not induce vomiting without advice from poison control center.

**Inhalation:** Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. Move to fresh air. If breathing is difficult, give oxygen.

**Skin Contact:** Call a physician or poison control center immediately. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Destroy or thoroughly clean contaminated shoes.

**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Symptoms: No data available.

Hazards: No data available.

# INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treatment: No data available.

# **SECTION 5: FIRE-FIGHTING MEASURES**

General Fire Hazards: No unusual fire or explosion hazards noted.

### SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA

Suitable Extinguishing Media: Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising From the Chemical: During fire, gases hazardous to health may be formed.

# SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Fire Fighting Procedures: No data available.

**Special Protective Equipment for Fire-Fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

**Methods and Material for Containment and Cleaning Up:** Dam and absorb spillages with sand, earth or other noncombustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. **Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

# **SECTION 7: HANDLING AND STORAGE**

**Precautions for Safe Handling:** Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Do not taste or swallow. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Do not get in eyes, on skin, on clothing.

Conditions for Safe Storage, Including Any Incompatibilities: Store locked up.

Installation Temperature Range: 50-140°F (surface), easiest application below 90°F

In-Service Temperature Range: 0-140°F (surface and surrounding)

**Exposure to Ultraviolet Radiation/Weather Events:** The amount of time between when Pango Sealant is installed and when concrete is placed or other complete protection from sunlight and weather events is provided should be minimized while not exceeding 7 days. Please review the remainder of the SDS and relevant technical data sheets for storage and additional information. If any of the conditions cited above pose a problem for the typical installation of the Pango Sealant, please contact Stego Industries for additional information and solutions.

Continued...

Note - legal notice on page 12



# **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

### CONTROL PARAMETERS Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Talc - Respirable fraction	TWA	2 mg/m3	US. ACGIH Threshold Limit Values (2011)
Talc	TWA	20 millions of particles	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
		per cubic foot of air	
Talc - Respirable	TWA	2.4 millions of particles	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
		per cubic foot of air	
	TWA	0.1 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
m-Xylenediamine	Ceiling	0.1 mg/m3	US. ACGIH Threshold Limit Values (2011)
Crystalline Silica (Quartz)/	TWA	0.025 mg/m3	US. ACGIH Threshold Limit Values (2011)
Silica Sand - Respirable fraction			
Crystalline Silica (Quartz)/	TWA	0.05 mg/m3	US. OSHA Specifically Regulated Substances
Silica Sand - Respirable dust			(29 CFR 1910.1001-1053) (03 2016)
	OSHA_AC	0.025 mg/m3	US. OSHA Specifically Regulated Substances
	Т		(29 CFR 1910.1001-1053) (03 2016)
Crystalline Silica (Quartz)/	PEL	0.05 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants
Silica Sand - Respirable dust			(29 CFR 1910.1000) (03 2016)
Crystalline Silica (Quartz)/	TWA	2.4 millions of particles	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Silica Sand - Respirable		per cubic foot of air	
	TWA	0.1 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Talc - Respirable	TWA	2 mg/m3	Canada. British Columbia OELs. (Occupational
			Exposure Limits for Chemical Substances,
			Occupational Health and Safety Regulation
			296/97, as amended) (07 2007)
Talc	TWA	2 fibers/mL	Canada. Ontario OELs. (Control of Exposure to
			Biological or Chemical Agents) (11 2010)
Talc - Respirable fraction	TWA	2 mg/m3	Canada. Ontario OELs. (Control of Exposure to
			Biological or Chemical Agents) (06 2015)
Talc - Respirable dust	TWA	3 mg/m3	Canada. Quebec OELs. (Ministry of Labor -
			Regulation Respecting the Quality of the Work
			Environment) (09 2017)
Crystalline Silica (Quartz)/	TWA	0.025 mg/m3	Canada. British Columbia OELs. (Occupational
Silica Sand - Respirable fraction			Exposure Limits for Chemical Substances,
			Occupational Health and Safety Regulation
			296/97, as amended) (07 2007)
Crystalline Silica (Quartz)/	TWA	0.10 mg/m3	Canada. Ontario OELs. (Control of Exposure to
Silica Sand - Respirable fraction			Biological or Chemical Agents) (06 2015)
Crystalline Silica (Quartz)/	TWA	0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor -
Silica Sand - Respirable dust			Regulation Respecting the Quality of the Work
			Environment) (09 2017)
Talc - Respirable	TWA	2 mg/m3	Canada. British Columbia OELs. (Occupational
			Exposure Limits for Chemical Substances,
			Occupational Health and Safety Regulation
			296/97, as amended) (07 2007)



# SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION Continued...

#### CONTROL PARAMETERS Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Talc	TWA	2 fibers/mL	Canada. Ontario OELs. (Control of Exposure to
			Biological or Chemical Agents) (11 2010)
Talc - Respirable fraction	TWA	2 mg/m3	Canada. Ontario OELs. (Control of Exposure to
			Biological or Chemical Agents) (06 2015)
Talc - Respirable dust	TWA	3 mg/m3	Canada. Quebec OELs. (Ministry of Labor -
			Regulation Respecting the Quality of the Work
			Environment) (09 2017)
m-Xylenediamine	CEILING	0.1 mg/m3	Canada. British Columbia OELs. (Occupational
			Exposure Limits for Chemical Substances,
			Occupational Health and Safety Regulation
			296/97, as amended) (07 2007)
m-Xylenediamine	CEV	0.1 mg/m3	Canada. Ontario OELs. (Control of Exposure to
			Biological or Chemical Agents) (11 2010)
m-Xylenediamine	CEILING	0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor -
			Regulation Respecting the Quality of the Work
			Environment) (09 2017)
Crystalline Silica (Quartz)/	TWA	0.025 mg/m3	Canada. British Columbia OELs. (Occupational
Silica Sand - Respirable			Exposure Limits for Chemical Substances,
fraction			Occupational Health and Safety Regulation
			296/97, as amended) (07 2007)
Crystalline Silica (Quartz)/	TWA	0.10 mg/m3	Canada. Ontario OELs. (Control of Exposure to
Silica Sand - Respirable fraction			Biological or Chemical Agents) (06 2015)
Crystalline Silica (Quartz)/	TWA	0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor -
Silica Sand - Respirable dust			Regulation Respecting the Quality of the Work
			Environment) (09 2017)

**Appropriate Engineering Controls:** Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

### INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

**General Information:** Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. **Eye/face Protection:** Wear a full-face respirator, if needed. Wear safety glasses with side shields (or goggles) and a face shield.

**Skin/Hand Protection:** Use suitable protective gloves if risk of skin contact.

**Other:** Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. **Hygiene Measures:** Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product. Wash hands after handling. Wash hands before breaks and immediately after handling the product. Do not get in eyes. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Do not get this material in contact with skin.

Note - legal notice on page 12





# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: Liquid Form: Liquid **Color:** Off-white Odor: Mild pungent Odor Threshold: No data available. **pH:** No data available. Melting Point/Freezing Point: No data available. Initial Boiling Point and Boiling Range: No data available. Flash Point: > 93°C > 200°F (Setaflash Closed Cup) **Evaporation Rate:** Slower than Ether Flammability (solid, gas): No

### **UPPER/LOWER LIMIT ON FLAMMABILITY OR EXPLOSIVE LIMITS**

Flammability Limit - Upper (%): No data available. Flammability Limit - Lower (%): No data available. Explosive Limit - Upper (%): No data available. Explosive Limit - Lower (%): No data available. Vapor Pressure: No data available. Vapor Density: Vapors are heavier than air and may travel along the floor and in the bottom of containers. Relative Density: 1.21

### SOLUBILITY(IES)

Solubility in Water: Practically Insoluble Solubility (other): No data available. Partition Coefficient (n-octanol/water): No data available. Auto-Ignition Temperature: No data available. Decomposition Temperature: No data available. Viscosity: No data available.

# **SECTION 10: STABILITY AND REACTIVITY**

Reactivity: No data available. Chemical Stability: Material is stable under normal conditions. Possibility of Hazardous Reactions: No data available. Conditions to Avoid: Avoid heat or contamination. Incompatible Materials: Avoid contact with acids. Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

# **SECTION 11: TOXICOLOGICAL INFORMATION**

### INFORMATION ON LIKELY ROUTES OF EXPOSURE

Inhalation: In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. Skin Contact: May be harmful in contact with skin. Causes severe skin burns.

**Eye Contact:** Causes serious eye damage.

Ingestion: Harmful if swallowed.



### SECTION 11: TOXICOLOGICAL INFORMATION Continued...

### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Inhalation: No data available. Skin Contact: No data available. Eye Contact: No data available.

Ingestion: No data available.

#### INFORMATION ON TOXICOLOGICAL EFFECTS

### Acute Toxicity (list all possible routes of exposure)

ATEmix: 2,309.7 mg/kg
ATEmix: 37,937.8 mg/kg
ATEmix: 1.16 mg/l
No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Talc	Overall evaluation: Not classifiable as to carcinogenicity to humans.
	Overall evaluation: Possibly carcinogenic to humans.
Crystalline Silica(Quartz)/ Silica Sand	Overall evaluation: Carcinogenic to humans.

#### US. National Toxicology Program (NTP) Report on Carcinogens:

Crystalline Silica (Quartz)/ Silica Sand Known To Be Human Carcinogen.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Crystalline Silica (Quartz)/ Silica Sand Cancer

### GERM CELL MUTAGENICITY

#### In Vitro

Product:	No data available.
In Vivo	
Product:	No data available.





# SECTION 11: TOXICOLOGICAL INFORMATION Continued...

Reproductive Toxicity			
Product:	Suspected of damaging fertility or the unborn child.		
Specific Target Organ Toxicity - Single	e Exposure		
Product:	No data available.		
Specific Target Organ Toxicity - Repeated Exposure			
Product:	No data available.		
Aspiration Hazard			
Product:	No data available.		
Other Effects:	No data available.		
SECTION 12: ECOLOGICAL INFO	RMATION		
ECOTOXICITY Acute Hazards to the Aquatic Environ Fish	ment:		
Product:	No data available.		
Aquatic Invertebrates			
Product:	No data available.		
Chronic Hazards to the Aquatic Environment: Fish			
Product:	No data available.		
Aquatic Invertebrates			
Product:	No data available.		
Toxicity to Aquatic Plants	·		
Product:	No data available.		
Persistence and Degradability: Biodegradation	·		
Product:	No data available.		
BOD/COD Ratio			
Product:	No data available.		
Bioaccumulative Potential: Bioconcentration Factor (BCF)			





### SECTION 12: ECOLOGICAL INFORMATION Continued...

#### Partition Coefficient n-octanol / Water (log Kow)

Product:	No data available.
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Mobility in Soil: No data available.

**Other Adverse Effects:** Very toxic to aquatic organisms.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal Methods:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

# **SECTION 14: TRANSPORT INFORMATION**

Not Regulated.

### **SECTION 15: REGULATORY INFORMATION**

#### U.S. FEDERAL REGULATIONS

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Chemical Identity	Reportable Quantity
4-Nonylphenol	De minimis concentration: TSCA 5(a)(2)% One-Time Export Notification only.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Chemical Identity	OSHA Hazard(s)
Crystalline Silica (Quartz)/ Silica Sand	kidney effects, lung effects, immune system effects, cancer

#### CERCLA Hazardous Substance List (40 CFR 302.4)

None present or none present in regulated quantities.

### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

#### Hazard Categories:

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Acute toxicity (any route or exposure) Skin Corrosion or Irritation Serious eye damage or eye irritation Carcinogenicity

Reproductive toxicity



# **SECTION 15: REGULATORY INFORMATION**

#### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

#### SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

#### SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
4-Nonylphenol	10000 lbs
Talc	10000 lbs
Poly(oxypropylene) diamine	10000 lbs
Tris(dimethylaminomethyl)phenol	10000 lbs
2-Methyl-1,5-pentanediamine	10000 lbs
4-tert-Butylphenol	10000 lbs
m-Xylenediamine	10000 lbs
Crystalline Silica (Quartz)/ Silica Sand	10000 lbs

#### SARA 311/312 Hazardous Chemical

Chemical Identity	
4-Nonylphenol	

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

### **US STATE REGULATIONS**

US. California Proposition 65 WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov



US. New Jersey Worker and Community Right-to-Know Act Chemical Identity Talc Crystalline Silica (Quartz)/ Silica Sand

US. Massachusetts RTK - Substance List Chemical Identity 4-Nonylphenol Talc Crystalline Silica (Quartz)/ Silica Sand

# US. Pennsylvania RTK - Hazardous Substances

# **Chemical Identity** 4-Nonylphenol

Talc

**Continued...** Note - legal notice on page 12





# SECTION 15: REGULATORY INFORMATION Continued...

US. Rhode Island RTK Chemical Identity Talc

### INTERNATIONAL REGULATIONS

Montreal Protocol Not applicable

**Stockholm Convention** Not applicable

Rotterdam Convention Not applicable

#### Kyoto Protocol

Not applicable

VOC: When appropriately mixed with the other part, product has a VOC less water and exempt solvent of: 0 g/l

Regulatory VOC (less water and exempt solvent):	420 g/l
VOC Method 310:	35.56 %

#### **Inventory Status**

Inventory Status	
Australia AICS:	One or more components in this product are not listed on or exempt from the Inventory
Canada DSL Inventory List:	One or more components in this product are not listed on or exempt from the Inventory
EINECS, ELINCS or NLP:	One or more components in this product are not listed on or exempt from the Inventory
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory
China Inv. Existing Chemical Substances:	All components in this product are listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory
Philippines PICCS:	All components in this product are listed on or exempt from the Inventory.
US TSCA Inventory:	One or more components in this product are not listed on or exempt from the Inventory
New Zealand Inventory of Chemicals:	All components in this product are listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory
Mexico INSQ:	One or more components in this product are not listed on or exempt from the Inventory
Ontario Inventory:	One or more components in this product are not listed on or exempt from the Inventory
Taiwan Chemical	One or more components in this product are not listed on or exempt from the Inventory
Substances Inventory:	





# **SECTION 16: OTHER INFORMATION**

**Disclaimer:** The information contained herein only applies to the noted product. To the best of our knowledge, having been obtained through our suppliers or third parties, this information is accurate. We make no warranties, express or implied, concerning this information or the safe use of the noted product, and we disclaim liability from loss, damage, or other from the product's use, handling, or storage. Users are responsible for verifying the fitness/suitable of the product for any purposes/applications and for confirming compliance with any/all relevant codes or regulations.

Please read the Product Statements for all Pango<sup>®</sup> products by navigating here: stegoindustries.com/legal