



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

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Hardener

Product Name: Pango® Bond Part B

Intended Use of the Product

With Part A, sealant for Pango Wrap around penetrations and along terminating edges.

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

Skin Corrosion/Irritation: Category 1B

Serious Eye Damage/Eye Irritation: Category 1

Toxic to Reproduction: Category 2

Unknown Toxicity - Health

Acute Toxicity, oral: 14.78 %

Acute Toxicity, dermal: 44.28 %

Acute Toxicity, inhalation, vapor: 73.77 %

Acute Toxicity, inhalation, dust or mist: 73.34 %

Environmental Hazards

Acute Hazards to the Aquatic Environment: Category 1

Chronic Hazards to the Aquatic Environment: Category 1

Unknown Toxicity - Environment

Acute Hazards to the Aquatic Environment: 46.51 %

Chronic Hazards to the Aquatic Environment: 46.51 %

LABEL ELEMENTS

Signal Word: Danger

Hazard Symbols:



Hazard Statement:

Causes severe skin burns and eye damage.

Suspected of damaging fertility or the unborn child.

Very toxic to aquatic life with long lasting effects.

Continued...

Note - legal notice on page 13



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

SECTION 2: HAZARDS IDENTIFICATION *Continued...*

Precaution Statements

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

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

Storage: Store locked up.

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%
Wollastonite	13983-17-0	1 - <5%
Polyethylene	9002-88-4	1 - <5%
4-tert-Butylphenol	98-54-4	0.25 - <1%
m-Xylenediamine	1477-55-0	0.1 - <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.

Personal Protection for First aid Responders: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Continued...

Note - legal notice on page 13



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

SECTION 4: FIRST AID MEASURES *Continued...*

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Symptoms: Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Extreme irritation of eyes and mucous membranes, including burning and tearing.

Hazards: No data available.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treatment: Symptoms may be delayed.

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.

Accidental Release Measures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Methods and Material for Containment and Cleaning Up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local 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

HANDLING

Technical Measures (e.g. Local and General Ventilation): 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.

Safe Handling Advice: 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.

Contact Avoidance Measures: No data available.

Hygiene Measures: Do not get in eyes. Observe good industrial hygiene practices. 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. Wash hands before breaks and immediately after handling the product.

STORAGE

Safe Storage Conditions: Store locked up.

Safe Packaging Materials: No data available.

Continued...

Note - legal notice on page 13



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

SECTION 7: HANDLING AND STORAGE *Continued...*

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 Bond 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 Bond, please contact Stego Industries for additional information and solutions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Talc - Respirable fraction	TWA	2 mg/m ³	US. ACGIH Threshold Limit Values (2011)
Talc	TWA	20 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Talc - Respirable	TWA	2.4 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.1 mg/m ³	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Wollastonite - Inhalable	TWA	1 mg/m ³	US. ACGIH Threshold Limit Values, as amended (03 2015)
Polyethylene - Inhalable particles	TWA	10 mg/m ³	US. ACGIH Threshold Limit Values (03 2015)
Polyethylene - Respirable particles	TWA	3 mg/m ³	US. ACGIH Threshold Limit Values (03 2015)
Polyethylene - Respirable fraction	PEL	5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Polyethylene - Total dust	PEL	15 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	15 mg/m ³	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Polyethylene - Respirable fraction	TWA	5 mg/m ³	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
m-Xylenediamine	Ceiling	0.018 ppm	US. ACGIH Threshold Limit Values, as amended (01 2019)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction	TWA	0.025 mg/m ³	US. ACGIH Threshold Limit Values (2011)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust	TWA	0.05 mg/m ³	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (03 2016)
	OSHA_AC T	0.025 mg/m ³	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (03 2016)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust	PEL	0.05 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)
Crystalline Silica (Quartz)/ Silica Sand - Respirable	TWA	2.4 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
	TWA	0.1 mg/m ³	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
Talc - Respirable	TWA	2 mg/m ³	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/cc	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)

Continued...

Note - legal notice on page 13



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

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

CONTROL PARAMETERS

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Talc - Respirable fraction	TWA	2 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Talc - Respirable dust	TWA	3 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Talc - Respirable.	TWA	2 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2017)
Polyethylene - Respirable fraction	TWA	3 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Polyethylene - Total dust	TWA	10 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Polyethylene - Inhalable fraction	TWA	10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Polyethylene - Respirable fraction	TWA	3 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Polyethylene - Total dust	TWA	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction	TWA	0.025 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction	TWA	0.10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust	TWA	0.1 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Talc - Respirable	TWA	2 mg/m ³	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/cc	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Talc - Respirable fraction	TWA	2 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Talc - Respirable dust	TWA	3 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)

Continued...

Note - legal notice on page 13



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

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

CONTROL PARAMETERS

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Wollastonite - fibers, total dust	TWA	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting occupational health and safety), as amended (09 2017)
Wollastonite - Fiber	TWA	5 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting occupational health and safety), as amended (09 2017)
Polyethylene - Respirable fraction	TWA	3 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Polyethylene - Total dust	TWA	10 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Polyethylene - Inhalable fraction	TWA	10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Polyethylene - Respirable fraction	TWA	3 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Polyethylene - Total dust	TWA	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
m-Xylenediamine	CEILING	0.1 mg/m ³	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/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
m-Xylenediamine	CEILING	0.1 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction	TWA	0.025 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction	TWA	0.10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust	TWA	0.1 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Calcium Carbonate (Limestone) - Total dust.	STEL	20 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)

Continued...

Note - legal notice on page 13



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

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

Chemical Identity	Type	Exposure Limit Values	Source
Calcium Carbonate (Limestone) - Total dust.	TWA	10 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium Carbonate (Limestone) - Respirable fraction.	TWA	3 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Calcium Carbonate (Limestone) - Total dust.	TWA	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (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

Eye/face Protection: Wear a full-face respirator, if needed. Wear safety glasses with side shields (or goggles) and a face shield.

Skin/Hand/Body Protection: 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: Do not get in eyes. Observe good industrial hygiene practices. 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. Wash hands before breaks and immediately after handling the product.

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

Continued...

Note - legal notice on page 13



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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES *Continued...*

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: Causes severe skin burns.
Eye Contact: Causes serious eye damage.
Ingestion: May be harmful if swallowed.

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)

Oral

Product:	ATEmix: 2,341.9 mg/kg
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Dermal

Product:	ATEmix: 6,086.59 mg/kg
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Inhalation

Product:	
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Specified Substance(s):

2-Methyl-1,5-pentanediamine	LC 50 (Rat): 4.9 mg/l
Wollastonite	LC 50 (Rabbit): 20.1 mg/l
Polyethylene	LC 50 (Rabbit): 20.1 mg/l
m-Xylenediamine	LC 50 (Rat): 1.16 mg/l

Repeated Dose Toxicity

Product:	No data available.
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Continued...

Note - legal notice on page 13



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

SECTION 11: TOXICOLOGICAL INFORMATION *Continued...*

Skin Corrosion/Irritation

Product:	No data available.
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Specified Substance(s):

4-Nonylphenol	in vivo (Rabbit): Category 1B
Poly(oxypropylene) diamine	(Rabbit): Corrosive
Tris(dimethylaminomet hyl)phenol	in vivo (Rabbit): Corrosive
2-Methyl-1,5-pentanediamine	in vivo (Rabbit): Category 1A
4-tert-Butylphenol	in vivo (Rabbit): Highly irritating
m-Xylenediamine	in vivo (Rat): Corrosive

Serious Eye Damage/Eye Irritation

Product:	No data available.
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Specified Substance(s):

4-Nonylphenol	Rabbit, 24 - 72 hrs: Corrosive
Poly(oxypropylene) diamine	Rabbit, 24 hrs: Corrosive
Tris(dimethylaminomethyl)phenol	Rabbit, 3 d: Corrosive
4-tert-Butylphenol	Rabbit, 24 hrs: Category 1

Respiratory or Skin Sensitization

Product:	No data available.
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Carcinogenicity

Product:	No data available.
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IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

GERM CELL MUTAGENICITY

In Vitro

Product:	No data available.
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In Vivo

Product:	No data available.
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Reproductive Toxicity

Product:	Suspected of damaging fertility or the unborn child.
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Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
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Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
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Aspiration Hazard

Product:	No data available.
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Other Effects:	No data available.
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Continued...

Note - legal notice on page 13



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

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

Acute Hazards to the Aquatic Environment:

Fish

Product:	No data available.
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Specified Substance(s):

4-Nonylphenol	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 0.13825 mg/l Mortality
4-tert-Butylphenol	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 4.71 - 5.62 mg/l Mortality

Aquatic Invertebrates

Product:	No data available.
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Chronic Hazards to the Aquatic Environment:

Fish

Product:	No data available.
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Specified Substance(s):

4-Nonylphenol	NOAEL (Oncorhynchus mykiss, 91 d): 0.006 mg/l Experimental result, Key study
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Aquatic Invertebrates

Product:	No data available.
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Toxicity to Aquatic Plants

Product:	No data available.
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Persistence and Degradability:

Biodegradation

Product:	No data available.
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BOD/COD Ratio

Product:	No data available.
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Bioaccumulative Potential:

Bioconcentration Factor (BCF)

Product:	No data available.
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Specified Substance(s):

4-Nonylphenol	Fathead minnow (Pimephales promelas), Bioconcentration Factor (BCF): 988 (Flow through)
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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 life with long lasting effects.

Continued...

Note - legal notice on page 13



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

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.
Nonyl Phenol	De minimis concentration: TSCA 5(a)(2)% One-Time Export Notification only.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E): None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

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
- Skin Corrosion or Irritation
- Serious eye damage or eye irritation
- Reproductive toxicity

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

Chemical Identity

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.

Continued...

Note - legal notice on page 13



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

SECTION 15: REGULATORY INFORMATION

US STATE REGULATIONS

US. California Proposition 65

WARNING

Cancer - 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
Crystalline Silica (Quartz)/ Silica Sand

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

4-Nonylphenol
Talc

US. Rhode Island RTK

Chemical Identity

Polyethylene

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: 1 g/l

Regulatory VOC (less water and exempt solvent):	390 g/l
VOC Method 310:	32.19 %

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

Continued...

Note - legal notice on page 13



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SECTION 15: REGULATORY INFORMATION *Continued...*

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:	One or more components in this product are not 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:	One or more components in this product are not 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
Ontario Inventory:	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.
Mexico INSQ:	One or more components in this product are not listed on or exempt from the Inventory
Taiwan Chemical Substance Inventory:	One or more components in this product are not listed on or exempt from the Inventory

SECTION 16: OTHER INFORMATION

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