DRAGO® SEALANT PART B SAFETY DATA SHEET

Revision Date: April 15, 2025 | Date of Issue: June 3, 2017 | Version Number: 7.0

SECTION 1: IDENTIFICATION

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

Intended Use of the Product
Mixed with Drago® 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
P: (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:

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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.

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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 non-combustible 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.

Please review the remainder of the SDS and this product's technical data sheet for storage and additional information. If any of the conditions cited above pose a problem for the typical use of Drago Sealant Part B, please contact Stego Industries for additional information and solutions.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS
Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Talc - Respirable fraction	TWA	2 mg/m3	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/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)/ Silica Sand - Respirable fraction	TWA	0.025 mg/m3	US. ACGIH Threshold Limit Values (2011)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust	TWA	0.05 mg/m3	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (03 2016)
	OSHA_ACT	0.025 mg/m3	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (03 2016)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust	PEL	0.05 mg/m3	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/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)/ Silica Sand - Respirable fraction	TWA	0.025 mg/m3	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/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust	TWA	0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor - 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)

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

CONTROL PARAMETERS
Occupational Exposure Limits

Chemical Identity	Type	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)/ Silica Sand - Respirable fraction	TWA	0.025 mg/m3	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/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Crystalline Silica (Quartz)/ Silica Sand - Respirable dust	TWA	0.1 mg/m3	Canada. Quebec OELs. (Ministry of Labor - 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.

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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.

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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)

Oral

Product:	ATEmix: 2,309.7 mg/kg

Dermal

Product:	ATEmix: 37,937.8 mg/kg

Inhalation

Product:	ATEmix: 1.16 mg/l

Repeated Dose Toxicity

Product:	No data available.

Skin Corrosion/Irritation

Product:	No data available.

Serious Eye Damage/Eye Irritation

Product:	No data available.

Respiratory or Skin Sensitization

Product:	No data available.

Carcinogenicity

Product:	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.

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SECTION 11: TOXICOLOGICAL INFORMATION *Continued...*

Reproductive Toxicity

Product:	Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single 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 INFORMATION

ECOTOXICITY
Acute Hazards to the Aquatic Environment:

Fish

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)

Product:	No data available.

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SECTION 12: ECOLOGICAL INFORMATION *Continued...*

Partition Coefficient n-octanol / Water (log Kow)

Product:	No data available.

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

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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

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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

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 Substances Inventory:	One or more components in this product are not listed on or exempt from the Inventory

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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 Drago® products by navigating here: stegoindustries.com/legal