



# DRAGO® SEALANT PART B SAFETY DATA SHEET

Revision Date: July 30, 2018 | Date of Issue: June 3, 2017 | Version Number: 2.0

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Name:** Drago Sealant Part B

### Intended Use of the Product

Mixed with Drago® Sealant Part A; sealant around penetrations.

### Company Name, Address, and Telephone of the Responsible Party

Stego Technology, LLC or C/O Stego® Industries, LLC\*  
216 Avenida Fabricante #101  
San Clemente, CA 92672

### Emergency Telephone Number

**Emergency Number:** 1 (800) 424-9300 (24 Hrs.) CHEMTREC  
**Main Contact Number:** (877) 464-7834

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification:

#### GHUS Classification in accordance with 29 CFT 1910 (OSHA HCS)

Acute Toxicity – Oral – Category 4  
Skin corrosion/irritation: Category 1C  
Serious eye damage/eye irritation: Category 1  
Skin sensitizer: Category 1  
Specific Target Organ Toxicity: Repeated Exposure – Oral – Category 2

### GHS Label Elements

**Signal Word:** Danger

Hazard pictograms/symbols:



### Hazard Statements

H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H373a: May cause damage to organs through prolonged or repeated exposure if swallowed.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	WGT%	CAS#
Modified Cycloaliphatic Amine Reaction Product	78-90%	TS
Benzyl alcohol	10-25%	100-51-6
Tris2,4,6-(dimethylaminomethyl) phenol	< 5%	90-72-2

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#### **SECTION 4: FIRST AID MEASURES**

**Eyes:** Immediate and continuous irrigation with flowing water for at least 30 minutes is required. Promptly seek medical attention.

**Skin:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing, preferably under a safety shower. Seek medical attention immediately. Avoid prolonged or repeated contact skin. Washing thoroughly after handling.

**Ingestion:** Do not induce vomiting. Give large amount of water or milk if available and transport to medical facility.

**Inhalation:** Remove to fresh air if effect occurs. Consult medical personnel.

**Notes to Physicians:** Corrosive. May cause stricture. Lavage is performed, suggest endotracheal and/or esophagoscopy control. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient. Application of corticosteroid cream has been effective in treating skin irritation.

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

**Flammable limits in air (% by Volume):** UPPER LIMITS: N/A LOWER LIMITS: N/A

**Flash Point:** 213 °F (100.56°C)

**Method Used:** PMCC

**NFPA Hazard Rating:** 4 = EXTREME; 3 = HIGH; 2 = MODERATE; 1 = SLIGHT; 0 = INSIGNIFICANT

**NFPA Hazard Classification:**

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

OTHER: N/A

**Extinguishing Media:** Water Fog, Alcohol Foam, CO2, or Dry Chemical

**Fire Fighting Procedures:** Wear positive pressure SCBA

**Unusual Fire and Explosion Hazards:** Use full protective clothing (see section 8).

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Large Spill:** Dike up and pump into appropriate containers.

**Small Spill:** Use noncombustible absorbent materials and shovel into suitable containers.

#### **SECTION 7: HANDLING AND STORAGE**

**Handling and Storage:** Ground all transfer equipment. Hold bulk storage under a nitrogen blanket. This product should not come in contact with copper or copper-bearing alloys. Good general housekeeping procedure should be followed. Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Installation Temperature Range:** 40-90°F (surface and ambient).

**In-Service Temperature Range:** -20-140°F (surface and surrounding).

**Exposure to Ultraviolet Radiation/Weather Events:** The amount of time between when Drago 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 Drago Sealant, please contact Stego Industries for additional information and solutions.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation:** Control airborne concentration below the exposure guideline. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

**Respiratory Protection:** Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air purifying respirator.

**Eye protection:** Use chemical goggles. If vapor exposure causes eye irritation, use a full-face respirator. Eye wash fountain should be located in immediate work area.

**Skin Protection:** Use protective clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full-body suit will depend on operation. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse. Contaminated leather items, such as shoes, belts and watchbands, should be removed and destroyed.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Straw-colored liquid.

**Odor:** Amine odor.

**Physical State:** Liquid

**Boiling Point:** 405°F (207°C)

**Vapor Pressure (mmHg):** < 10.37 mmHg

**Vapor Density (Air = 1):** 5.88

**Specific Gravity (H<sub>2</sub>O = 1):** 1.01

**Viscosity:** 450 mPa.s at 73°(23°C)

## SECTION 10: STABILITY AND REACTIVITY

**Conditions to Avoid (Stability):** See Section 7 – Handling and Storage.

**Incompatibility (Material to Avoid):** Strong acids, strong bases, strong oxidizing agents, strong reducing agents.

**Hazardous Decomposition or By-Products:**

Decomposition products: carbon oxides, nitrogen oxides;

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

**Chemical Stability:** The product is stable if stored and handled as prescribed/indicated.

**Conditions to Avoid (Stability):** Can react strongly with epoxy resins at elevated temperatures.

**Incompatibility (Material to Avoid):** Epoxy resins under uncontrolled conditions..

**Hazardous Decomposition or By-Products:** Nitrogen oxides when burned.

**Hazardous Polymerization:** Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Likely routes of exposure:** N/A

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

**Ingestion:** Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of mouth and throat.

**Aspiration:** Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

**Skin Contact:** Prolonged or widespread skin contact may result in absorption of harmful amounts.

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**SECTION 11: TOXICOLOGICAL INFORMATION** *Continued...*

**IRRITATION**

**Skin:** Brief contact may cause severe skin burns. Symptoms may include pain, severe local redness and tissue damage. Skin contact has caused allergic skin reactions in certain sensitized individuals.

**Eyes:** May cause pain disproportionate to the level of irritation to eye tissues. May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

**Inhalation:** May cause allergic respiratory response. Excessive exposure may cause irritation to upper respiratory tract (nose and throat).

**Delayed and immediate effects and also chronic effects from short and long term exposure:**

**Carcinogen:** This product contains no materials that are reported as known or suspect carcinogens in levels above 0.1%.

**Mutagen:** This product contains no materials that are reported as known or suspect mutagens in levels above 0.1%.

**Reproductive Hazard:** This product contains no materials that are known or suspected of causing a reproductive hazard in levels above 0.1%.

**Numerical measures of toxicity:** N/A

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available.

**Persistence and degradability:** N/A

**Bioaccumulative potential:** N/A

**Mobility in soil:** N/A

**Other adverse effects:** N/A

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal Methods:**

Preferred method of disposal includes incineration under controlled conditions in accordance with all local and national laws and regulations. The generation of waste should be avoided or minimized wherever possible. Untreated material is not suitable for disposal. Waste, even small quantities, should never be poured down drains, sewers or watercourses. Waste must be disposed of in accordance with federal, state and local environmental control regulations. This material, when properly mixed and cured with its resin component at the proper mix ratio, may be safely land filled. Contaminated packaging: Empty containers can only be disposed of when the remaining product adhering to the container walls has been removed. Hazard warning labels should be removed from the container only after it has been properly emptied.

**SECTION 14: TRANSPORT INFORMATION**

	<b>DOT Classification</b>	<b>IMDG</b>	<b>IATA (Cargo)</b>
<b>UN Number</b>	2735	2735	2735
<b>UN Proper Shipping Name</b>	Amines, liquid, corrosive, n.o.s. (Polyamine)	Amines, liquid, corrosive, n.o.s. (Polyamine)	Amines, liquid, corrosive, n.o.s. (Polyamine)
<b>Hazard Classes</b>	8	8	8
<b>Packing Group</b>	III	III	III

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**SECTION 15: REGULATORY INFORMATION**

**U.S. Federal Regulations:**

**TSCA (Toxic Substance Control Act):**

The components of this product are contained on the chemical substance inventory list.

**CERCLA (Comprehensive Response, Compensation, and Liability Act)**

Requires notification of the National Response Center of release of quantities of Hazardous Substances to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

<b>Chemical Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>RQ</b>
NONE	N/A	N/A	N/A

**SARA TITLE II (Superfund Amendments and Reauthorization Act)**

Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ's) in 40 CFR 355. Components present in this product at a level which could require reporting under this statute are:

<b>Chemical Name</b>	<b>CAS#</b>	<b>% by Weight</b>
NONE	N/A	N/A

**311/312 Hazard Categories**

Sections 311-312 require product be reviewed and applicable EPA Hazard Definitions be identified and made known.

**EPA HAZARD CLASSIFICATIONS**

**Acute Hazard:** YES

**Chronic Hazard:** YES

**Fire Hazard:** NO

**Pressure Hazard:** NO

**Reactive Hazard:** NO

**313 Reportable Ingredients**

Section 3132 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS/SDS sheets that are copied and distributed for this material. Components present in this product at levels which could require reporting under the statute are:

<b>Chemical Name</b>	<b>CAS#</b>	<b>% by Weight</b>
NONE	N/A	N/A

**Section 15 Notes:** If you are unsure if you must report more information, call the EPA Emergency Planning and Right-To-Know Hot Line: (800) 535-0202 or (202) 479-2449. The concentrations shown in this document are maximum or ceiling levels (expressed in weight %, unless otherwise specified) to be used for regulations. Trade Secretes are indicated by "TS".

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## SECTION 16: OTHER INFORMATION

**Disclaimer:** The information contained herein relates only to the specific material identified. Stego Technology, LLC believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Stego Technology, LLC urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

**Please read the product statements for all Drago® products by navigating here:**  
<http://www.stegoindustries.com/legal>