

STRUCTURE GUARD®



# STRUCTURE GUARD® SAFETY DATA SHEET

CATALYST - PART B



**REPAIR  
MATERIALS**

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                 |  |
|-----------------|--|
| Material Name   | Structure Guard Catalyst - Part B                  |
| Revision Date   | 01-2019  |
| Product Code    | SE1000 B   |
| Trade Name      | RD 1000  |
| Company         | Stag Technologies, 564 W. 9320 S., Sandy, UT 84070 |
| Company Contact | Matthew Peterson                                   |
| Company Phone   | 844-STAGTEC  |
| Emergency       | 800-535-5053                                       |

## 2. HAZARDS IDENTIFICATION

|                    |              |  |
|--------------------|--------------|--|
| GHS Ratings:       |              |  |
| Oral Toxicity      | Acute Tox. 2 | Oral>5+<=50mg/kg   |
| Skin corrosive     | 2            | Reversible adverse effects in dermal tissue,<br>Draize score: >=<br>2.3 < 4.0 or persistent inflammation               |
| Eye corrosive      | 1            | Serious eye damage: Irreversible damage 21 days<br>after exposure, Draize score: Corneal opacity >= 3,<br>Iritis > 1.5 |
| Skin sensitizer    | 1            | Skin sensitizer  |
| Reproductive toxin | 2            | Human or animal evidence possibly with other<br>information  |

### GHS Hazards:

|      |   |
|------|---|
| H300 | Fatal if swallowed                                  |
| H315 | Causes skin irritation                              |
| H317 | May cause an allergic skin reaction                 |
| H318 | Causes serious eye damage                           |
| H361 | Suspected of damaging fertility or the unborn child |

GHS Precautions:

|                |   |
|----------------|---|
| P201           | Obtain special instructions before use  |
| P202           | Do not handle until all safety precautions have been read and understood  |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray  |
| P264           | Wash thoroughly after handling  |
| P270           | Do not eat, drink or smoke when using this product  |
| P272           | Contaminated work clothing should not be allowed out of the workplace   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection   |
| P281           | Use personal protective equipment as required   |
| P310           | Immediately call a POISON CENTER or doctor/physician  |
| P321           | Specific treatment (see ... on this label)  |
| P330           | Rinse mouth   |
| P362           | Take off contaminated clothing and wash before reuse  |
| P363           | Wash contaminated clothing before reuse   |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  |
| P302+P352      | IF ON SKIN: Wash with soap and water  |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P308+P313      | IF exposed or concerned: Get medical advice/attention   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention   |
| P333+P313      | If skin irritation or a rash occurs: Get medical advice/attention   |
| P405           | Store locked up   |
| P501           | Dispose of contents/container to ...  |

Signal Word

Danger



**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name                | CAS number | Weight Concentration % |
|------------------------------|------------|------------------------|
| Paratertiarybutylphenol      | 98-54-4    | 30.00% - 40.00%        |
| Amine                        | 1477-55-0  | 20.00% - 30.00%        |
| 1,5-Pentanediamine, 2 methyl | 15520-10-2 | 20.00% - 30.00%        |
| Silica                       | 67762-90-7 | 10.00% - 20.00%        |
| nonyl phenol                 | 84852-15-3 | 1.00% - 5.00%          |

**4. FIRST AID MEASURES**

If inhaled remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms. Rinse immediately with plenty of water for at least 15 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue Rinsing. Get medical attention, if irritation or symptoms of overexposure persists. Immediately wash skin with soap and plenty of water. If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

Flash Point 134°C (273°F)  
 LEL N/A  
 UEL N/A  
 Not applicable  
 Foam, Carbon dioxide (CO<sub>2</sub>) or dry chemical or water spray (water stream may be ineffective) .  
 No information available  
 Not available  
 Firefighters, and others exposed, wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

Stop leak. Dike or contain spill. Pump into slavage tanks and/or absorb with suitable material. Use sparkless shovel to remove material. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use appropriate containment and clean up immediately. Corrosive. Avoid personal contact and breathing vapor or mist. Stop leak. Dike and contain spill. Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

## 7. HANDLING AND STORAGE

Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid exposure to heat, light, and air for prolonged periods of time . Store in a cool, dry well ventilated area away from sources of heat and incompatible materials. Eliminate all ignition materials and incompatible materials. Collect spill with non spark tools.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

| Chemical Name / CAS No.                    | OSHA Exposure Limits | ACGIH Exposure Limits         | Other Exposure Limits                |
|--|----------------------|-------------------------------|--------------------------------------|
| Paratertiarybutylphenol<br>98-54-4         | Not Established      | Not Established               | Not Established                      |
| Amine<br>1477-55-0                         | Not Established      | 0.1 mg/m <sup>3</sup> Ceiling | NIOSH: 0.1 mg/m <sup>3</sup> Ceiling |
| 1,5-Pentanediamine, 2 methyl<br>15520-10-2 | Not Established      | Not Established               | Not Established                      |
| Silica<br>67762-90-7                       | Not Established      | Not Established               | Not Established                      |
| nonyl phenol<br>84852-15-3                 | Not Established      | Not Established               | Not Established                      |

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactory and meets OSHA or other recognized standards. Consult with local procedures for selection, training, and maintenance of the personal protective equipment. Always use adequate ventilation that comply with local regulations.

**Eye/face Protection:**

Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

**Skin Protection:**

Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

**Respiratory Protection:**

A NIOSH air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstance where air purifying respirator may not provide adequate protection.

**9. PHYSICAL & CHEMICAL PROPERTIES**

|                            |        |
|----------------------------|--------|
| Boiling Point              | 247 °C |
| Specific Gravity (SG)      | 0.970  |
| Lbs VOC/Gallon Less Water  | 0.00   |
| Lbs VOC/Gallon Less Exempt | 0.00   |
| % VOL by Volume            | 0.00   |

**10. CHEMICAL STABILITY & REACTIVITY INFORMATION**

Stable, Hazardous polymerization will not occur. Will react with Epoxy Resins especially at elevated temperatures. STABLE. Epoxy Resins under uncontrolled conditions. Mineral acids. Organic acid, oxidizers, Reacts with metals until reacted with epoxy. None known. Hazardous polymerization will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Mixture Toxicity:**

|                          |            |
|--------------------------|------------|
| Oral Toxicity LD50       | 8mg/kg     |
| Dermal Toxicity LD50     | 3,216mg/kg |
| Inhalation Toxicity LC50 | 2,901mg/L  |

**Component Toxicity:**

|            |  |
|------------|--|
| 98-54-4    | Paratertiarybutylphenol<br>Oral LD50: 3,250 QL/kg (Rat) Dermal LD50: 2,318 mg/kg (Rabbit)          |
| 1477-55-0  | Amine<br>Oral LD50: 660 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit)<br>Inhalation LC50: 700 ppm (Rat) |
| 84852-15-3 | nonyl phenol<br>Oral LD50: 1,300 mg/kg (Rat) Dermal LD50: 2,031 mg/kg (Rabbit)                     |

|               |  |
|---------------|--|
| Eyes          | Irritant to the eyes. Corrosive to Eyes  |
| Skin          | Irritant to the skin. Corrosive to Skin  |
| Inhalation    | Irritant to respiratory tract. Prolonged or excessive inhalation may cause respiratory tract irritation. |
| Sensitization | Skin sensitization in humans. Avoid breathing vapors.  |

|            |        |
|------------|--------|
| Oral       | N.D.A. |
| Dermal     | N.D.A. |
| Inhalation | N.D.A. |

## 12. ECOLOGICAL INFORMATION

No ecotoxicity data was found for the product.

Component Ecotoxicity:

Paratertiarybutylphenol

96 Hr LC50 Pimephales promelas: 4.71 - 5.62 mg/L [flow-through];  
96 Hr LC50

Cyprinus carpio: 6.9 mg/L [static]

48 Hr EC50 Daphnia magna: 3.9 mg/L; 48 Hr EC50 Daphnia magna: 3.4 - 4.5 mg/L [Static]

72 Hr EC50 Desmodesmus subspicatus: 11.2 mg/L

nonyl phenol

96 Hr LC50 Pimephales promelas: 0.135 mg/L [flow-through];  
96 Hr LC50

Lepomis macrochirus: 0.1351 mg/L [flow-through]

48 Hr EC50 Daphnia magna: 0.14 mg/L

96 Hr EC50 Pseudokirchneriella subcapitata: 0.36 - 0.48 mg/L [static]; 72 Hr

EC50 Pseudokirchneriella subcapitata: 0.16 - 0.72 mg/L [static]; 72 Hr EC50

Desmodesmus subspicatus: 1.3 mg/L

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

## 14. TRANSPORT INFORMATION

UN2735 Amines, Liquid, corrosive, n.o.s. (Benzene-1,3-Dimethanamine,1,5-Pentanediamine, 2-Mthyl).

DOT Hazard Class 8

DOT Packaging Class II

## 15. REGULATORY INFORMATION

OSHA:29 CFR 1910.1200

(40 CFR 372.65)

TSCA

SARA III

Hazardous Chemical "Irritant", Sensitizer

Supplier Notification Required

Ingredients listed

Sec311 & 312 Immediate Health Hazard; Sec313 Chemicals above de minimus level: None

CA PROP. 65 NOTICE WARNING

CANADIAN REGULATORY INFO

WHMIS; Hazard Classification: D2B Skin Sensitizer. Refer to SDS for specific warnings

WHMIS Symbols

Stylized T.

WHMIS Trade Secret Registry Numbers

None

Hazardous Products Act Informtion

This product SDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).

The following chemicals are classified under SARA 313 Toxic Release Invetnory (TRI):

84852-15-3 nonyl phenol 1 to 5 %

Country

EU

Regulation

REACH (EU) SUBSTANCES OF VERY HIGH CONCERN

Toxic Substance Control Act (TSCA)

All Components Listed

EU - No

Safety Phrase

TSCA - Yes

None

## 16. OTHER INFORMATION

Further information

HMIS® ratings

HMIS® is a registered trade and service mark of the NPCA.

Health: 3

Flammability: 1

Physical hazard: 0

Personal Protection: H

NFPA ratings Health: 3

Flammability: 1

Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date

Not available.

This data sheet contains changes from the previous version in section(s)

Product and Company Identification: Synonyms

Physical & Chemical Properties: Multiple Properties

Transport Information: Material Transportation Information

Regulatory Information: United States.