




## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	• Structure Guard® Catalyst – Part B
<b>Trade Name</b>	• RD 1000
<b>Company</b>	• Quadex LLC, 564 W. 9320 S., Sandy, UT 84070
<b>Company Contact</b>	• Matthew Peterson
<b>Company Phone</b>	• 844-782-4832
<b>Emergency</b>	• Domestic Shipments and to Canada: 1-800-633-8253 • International Shipments: 1-801-629-0667

## 2. HAZARDS IDENTIFICATION

<b>GHS Ratings</b>	<i>Oral Toxicity</i>	• Acute Tox. 2	• Oral>5+<=50mg/kg
	<i>Skin corrosive</i>	• 2	• Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
	<i>Eye corrosive</i>	• 1	• Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
	<i>Skin sensitizer</i>	• 1	• Skin sensitizer
	<i>Reproductive toxin</i>	• 2	• Human or animal evidence possibly with other information
	<i>Hazard Statement(s)</i>	<i>H300</i>	• Fatal if swallowed
<i>H315</i>		• Causes skin irritation	
<i>H317</i>		• May cause an allergic skin reaction	
<i>H318</i>		• Causes serious eye damage	
<i>H361</i>		• Suspected of damaging fertility or the unborn child	

## 2. HAZARDS IDENTIFICATION (CONTINUED)

<i>Precautionary Statement(s)</i>	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 ...	
<i>Signal Word</i>	• Danger	
<i>Pictogram</i>		

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Cas #	Weight Concentration %
<i>Paratertiarybutylphenol</i>	• 98-54-4	• 30.00% - 40.00%
<i>Amine</i>	• 1477-55-0	• 20.00% - 30.00%
<i>1,5-Pentanediamine, 2 methyl</i>	• 15520-10-2	• 20.00% - 30.00%
<i>Silica</i>	• 67762-90-7	• 10.00% - 20.00%
<i>nonyl phenol</i>	• 84852-15-3	• 1.00% - 5.00%

### 4. FIRST AID MEASURE

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

<i>Flash Point</i>	• 134°C (273°F)
<i>LEL</i>	• N/A
<i>UEL</i>	• N/A
<i>Not applicable</i>	
<i>Foam, Carbon dioxide (CO2) or dry chemical or water spray (water stream may be ineffective).</i>	
<i>No information available</i>	
<i>Not available</i>	
<i>Firefighters, and others exposed, wear self-contained breathing apparatus.</i>	

### 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. 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

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

<i>Eye/face Protection</i>	• 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.
<i>Skin Protection</i>	• Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
<i>Respiratory Protection</i>	• 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

<i>Boiling Point</i>	• 247 °C
<i>Specific Gravity (SG)</i>	• 0.970
<i>Lbs VOC/Gallon Less Water</i>	• 0.00
<i>Lbs VOC/Gallon Less Exempt</i>	• 0.00
<i>% VOL by Volume</i>	• 0.00

## 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

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

## 11. TOXICOLOGICAL INFORMATION

<b>Mixture Toxicity</b>	
<i>Oral Toxicity LD50</i>	• 8mg/kg
<i>Dermal Toxicity LD50</i>	• 3,216mg/kg
<i>Inhalation Toxicity LC50</i>	• 2,901mg/L
<b>Component Toxicity</b>	<ul style="list-style-type: none"> <li>• Paratertiarybutylphenol 98-54-4 Oral LD50: 3,250 QL/kg (Rat) Dermal LD50: 2,318 mg/kg (Rabbit)</li> <li>• Amine 1477-55-0 Oral LD50: 660 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit) Inhalation LC50: 700 ppm (Rat)</li> <li>• nonyl phenol 84852-15-3 Oral LD50: 1,300 mg/kg (Rat) Dermal LD50: 2,031 mg/kg (Rabbit)</li> </ul>
<i>Eyes</i>	• Irritant to the eyes. Corrosive to Eyes
<i>Skin</i>	• Irritant to the skin. Corrosive to Skin
<i>Inhalation</i>	• Irritant to respiratory tract. Prolonged or excessive inhalation may cause respiratory tract irritation.
<i>Sensitization</i>	• Skin sensitization in humans. Avoid breathing vapors.
<i>Oral</i>	• N.D.A.
<i>Dermal</i>	• N.D.A.
<i>Inhalation</i>	• N.D.A.

**12. ECOLOGICAL INFORMATION**

<i>No ecotoxicity data was found for the product.</i>	
<b>Component Ecotoxicity</b>	
<i>Paratertiarybutylphenol</i>	<ul style="list-style-type: none"> <li>• 96 Hr LC50 Pimephales promelas: 4.71 - 5.62 mg/L [flow-through]; 96 Hr LC50</li> <li>• Cyprinus carpio: 6.9 mg/L [static]</li> <li>• 48 Hr EC50 Daphnia magna: 3.9 mg/L; 48 Hr EC50 Daphnia magna: 3.4 - 4.5 mg/L [Static]</li> <li>• 72 Hr EC50 Desmodesmus subspicatus: 11.2 mg/L</li> </ul>
<i>nonyl phenol</i>	<ul style="list-style-type: none"> <li>• 96 Hr LC50 Pimephales promelas: 0.135 mg/L [flow-through]; 96 Hr LC50</li> <li>• Lepomis macrochirus: 0.1351 mg/L [flow-through]</li> <li>• 48 Hr EC50 Daphnia magna: 0.14 mg/L</li> <li>• 96 Hr EC50 Pseudokirchneriella subcapitata: 0.36 - 0.48 mg/L [static]; 72 Hr</li> <li>• EC50 Pseudokirchneriella subcapitata: 0.16 - 0.72 mg/L [static]; 72 Hr EC50</li> <li>• Desmodesmus subspicatus: 1.3 mg/L</li> </ul>

**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**

<i>OSHA:29 CFR 1910.1200 (40 CFR 372.65)</i>	<ul style="list-style-type: none"> <li>• Haxardous Chemical "Irritant", Sensitizer</li> <li>• Supplier Notification Required</li> </ul>
<i>TSCA</i>	<ul style="list-style-type: none"> <li>• Ingredients listed</li> </ul>
<i>SARA III</i>	<ul style="list-style-type: none"> <li>• Sec311 &amp; 312 Immediate Health Haxard; Sec313 Chemicals above de minimus level: None</li> </ul>
<i>CA PROP. 65 NOTICE WARNING: CANADIAN REGULATORY INFO</i>	<ul style="list-style-type: none"> <li>• WHMIS; Hazard Classification: D2B Skin Sensitizer. Refer to SDS for specific warnings</li> <li>• WHMIS Symbols Stylized T.</li> <li>• WHMIS Trade Secret Registry Numbers - None</li> <li>• Hazardous Products Act Information: This product SDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).</li> </ul>
<i>The following chemicals are classified under SARA 313 Toxic Release Invetnory (TRI)</i>	<ul style="list-style-type: none"> <li>• 84852-15-3 nonyl phenol 1 to 5 %</li> </ul>

**15. REGULATORY INFORMATION (CONTINUED)**

<i>Country</i>	<ul style="list-style-type: none"> <li>• EU</li> </ul>
<i>Regulation</i>	<ul style="list-style-type: none"> <li>• REACH (EU) SUBSTANCES OF VERY HIGH CONCERN</li> <li>• Toxic Substance Control Act (TSCA)</li> </ul>
<i>All Components Listed</i>	<ul style="list-style-type: none"> <li>• EU - No</li> <li>• TSCA - Yes</li> </ul>
<i>Safety Phrase</i>	<ul style="list-style-type: none"> <li>• None</li> </ul>

**16. OTHER INFORMATION**

<i>Further Information</i>	<ul style="list-style-type: none"> <li>• HMIS® is a registered trade and service mark of the NPCA.</li> </ul>
<b>HMIS® Ratings</b>	
<i>Health</i>	<ul style="list-style-type: none"> <li>• 3</li> </ul>
<i>Flammability</i>	<ul style="list-style-type: none"> <li>• 1</li> </ul>
<i>Physical hazard</i>	<ul style="list-style-type: none"> <li>• 0</li> </ul>
<i>Personal Protection:</i>	<ul style="list-style-type: none"> <li>• H</li> </ul>
<b>NFPA Ratings</b>	
<i>Health</i>	<ul style="list-style-type: none"> <li>• 3</li> </ul>
<i>Flammability</i>	<ul style="list-style-type: none"> <li>• 1</li> </ul>
<i>Instability</i>	<ul style="list-style-type: none"> <li>• 0</li> </ul>
<i>Disclaimer</i>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
<i>Issue Date</i>	<ul style="list-style-type: none"> <li>• Not available.</li> </ul>
<i>This Data Sheet Contains</i>	<ul style="list-style-type: none"> <li>• Product and Company Identification: Synonyms changes from the previous Physical &amp; Chemical Properties: Multiple Properties version in section(s): Transport Information: Material Transportation Information Regulatory Information: United States.</li> </ul>