



Quad-Cure[®] 3100 Series

BY VORTEX


1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	• Quad-Cure [®] Resin 31 (Base Resin for Quad-Cure [®] 3120/3145/3160)
Trade Name	• Quad-Cure [®] 31
Company	• Quadex LLC, 564 W. 9320 S., Sandy, UT 84070
Company Contact	• Matthew Peterson
Company Phone	• 844-782-4832
Emergency	• Domestic Shipments and to Canada: 1-800-633-8253 • International Shipments: 1-801-629-0667

2. HAZARDS IDENTIFICATION

GHS Ratings	<i>Skin corrosive</i>	• 3	• Reversible adverse effects in dermal tissue, Draize score: $\geq 1.5 < 2.3$
	<i>Skin sensitizer</i>	• 1	• Skin sensitizer
	<i>Hazard Statement(s)</i>		
	<i>H316</i>	• Causes mild skin irritation	
	<i>H317</i>	• May cause an allergic skin reaction	
<i>Precautionary Statement(s)</i>	<i>P261</i>	• Avoid breathing dust/fume/gas/mist/vapours/spray	
	<i>P272</i>	• Contaminated work clothing should not be allowed out of the workplace	
	<i>P280</i>	• Wear protective gloves/protective clothing/eye protection/face protection	
	<i>P321</i>	• Specific treatment (see ... on this label)	
	<i>P363</i>	• Wash contaminated clothing before reuse	
	<i>P302+P352</i>	• IF ON SKIN: Wash with soap and water	
	<i>P332+P313</i>	• If skin irritation occurs: Get medical advice/attention	
	<i>P333+P313</i>	• If skin irritation or a rash occurs: Get medical advice/attention	
	<i>P501</i>	• Dispose of contents/container to ...	

2. HAZARDS IDENTIFICATION (CONTINUED)

<i>Signal Word</i>	• Warning
<i>Pictogram</i>	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Cas #	Weight Concentration %
<i>Epoxy Resin</i>	• 25085-99-8	• 80-90%
<i>Proprietary</i>	• 68609-97-2	• 5-10%
<i>Silica</i>	• 67762-90-7	• 1-5%

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>	• N/A
<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. No information available.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<i>Chemical Name / CAS No.</i>	• Epoxy Resin 25085-99-8
<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>	• Proprietary 68609-97-2
<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. 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.
<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.

9. PHYSICAL & CHEMICAL PROPERTIES

<i>Specific Gravity (SG)</i>	• 1.129
<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 polymerization will not occur. STABLE. Strong acids, caustics, oxidizers, Avoid uncontrolled exposure to Epoxy Resin, Amine. No Data Found. None known, other than Sec. #2 and Sec #5. No Data Found. Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION (CONTINUED)

Mixture Toxicity	• No Data Found
Component Toxicity	• No Data Found
<i>Effects of Overexposure</i>	
<i>Avoid breathing vapors</i>	
<i>CAS Number</i>	• None
<i>Carcinogen Rating</i>	• No Data Found
<i>Oral</i>	• N.D.A.
<i>Dermal</i>	• N.D.A.
<i>Inhalation</i>	• N.D.A.

12. ECOLOGICAL INFORMATION

No ecotoxicity data was found for the product. Component Ecotoxicity.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN3082 Environmentally Hazardous Substance, Liquid N.O.S. (Epoxy Resin)
 Packaging Group III
 Hazardous Class 9

15. REGULATORY INFORMATION

OSHA:29 CFR 1910.1200 Hazardous Chemical “Irritant”, Sensitizer	
<i>State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)</i>	• WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin: None. The following chemicals are classified under SARA 313 Toxic Release Inventory (TRI): None.
<i>Country</i>	• EU
<i>Safety Phrase</i>	• None
<i>Regulation</i>	• REACH (EU) SUBSTANCES OF VERY HIGH CONCERN • Toxic Substance Control Act (TSCA)
<i>All Components Listed</i>	• EU - No • TSCA - Yes

16. OTHER INFORMATION

<i>Further Information</i>	<ul style="list-style-type: none"> • HMIS® is a registered trade and service mark of the NPCA.
HMIS® Ratings	
<i>Health</i>	• 2
<i>Flammability</i>	• 1
<i>Physical hazard</i>	• 1
NFPA Ratings	
<i>Health</i>	• 1
<i>Flammability</i>	• 1
<i>Instability</i>	• 0
<i>Disclaimer</i>	<ul style="list-style-type: none"> • 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.
<i>Issue Date</i>	<ul style="list-style-type: none"> • Not available.
<i>This Data Sheet Contains</i>	<ul style="list-style-type: none"> • Product and Company Identification: Synonyms changes from the previous Physical & Chemical Properties: Multiple Properties version in section(s): Transport Information: Material Transportation Information Regulatory Information: United States.