STRUCTURE GUARD®
SAFETY DATA SHEET

100% SOLIDS EPOXY - PART A

QUADEX™ A VORTEX COMPANY | REPAIR MATERIALS

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Structure Guard 100% Solids Epoxy - Part A
Revision Date	01-2019
Product Code	SE1000 A
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:	
Carcinogen	2 - Limited evidence of human or animal carcinogenicity
GHS Hazards:	
H351	Suspected of causing cancer
GHS Precautions:	
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P281	Use personal protective equipment as required
P308+P313	If exposed or concerned: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container to ...
Signal Word	Warning

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Cass #	Weight Concentration %
Epoxy Resin	25085-99-8	73.40%
Barium Sulfate	7727-43-7	10.00% - 20.00%
Titanium Dioxide	13463-67-7	5.00% - 10.00%
Silica	67762-90-7	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 arepersistent symptons. 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	N/A
LEL	N/A
UEL	N/A

Not applicable
Foam, Carbon dioxide (CO2) 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. 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 incompatable materials. Eliminate all ignition materials and incompatible materials. Collect spill with non spark tools. No information available.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Epoxy Resin 25085-99-8	Not Established	Not Established	Not Established
Barium Sulfate 7727-43-7	15 mg/m^3 TWA (total dust) 5 mg/m^3 TWA (respirable fraction)	5 mg/m^3 TWA (inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica)	NIOSH: 10 mg/m^3 TWA (total dust); 5 mg/m^3 TWA (respirable dust)
Titanium Dioxide 13463-67-7	15 mg/m^3 TWA (total dust)	10 mg/m^3 TWA	Not Established
Silica 67762-90-7	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 sufficiant to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which preforms satisfactory and meets OSHA or other recgonized standards. Consult with local procedures for selection, training, and maintenance of the personal protective equipment. Always use adaquate 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 rotection reulation, or the Europena 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 NIOSHair 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 presure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstance where air purifyig respirator may not provide adequate protection.

9. PHYSICAL & CHEMICAL PROPERTIES

Boiling Range	2500 to 3000 °C
Specific Gravity (SG)	1.426
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 polymeraization will not occur. STABLE. Strong acids, caustics, oxidixers, 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

Mixture Toxicity
Component Toxicity

Eyes	Respiratory System
Effects of Overexposure	
CAS Number	13463-67-7
Description	Titanium Dioxide
% Weight	5 to 10%
Carcinogen Rating	Titanium Dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

OSHA:29 CFR
1910.1200 Haxardous
Chemical “Irritant”, Sensitizer
State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

13463-67-7	Titanium Dioxide	5 to 10 % Carcinogen

The following chemicals are classified under SARA 313 Toxic Release Invetnory (TRI):
- None

Country	EU
Regulation	REACH (EU) SUBSTANCES OF VERY HIGH CONCERN Toxic Substance Control Act (TSCA)
All Components Listed	EU - No TSCA - Yes
Safety Phrase	None

16. OTHER INFORMATION

Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 2 Personal Protection: B
NFPA ratings	Health: 0 Flammability: 0 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.