

**1. Product and Company Identification**

**Product Name:** SQS04 Part A  
**Supplier:** NRI 3875 Fiscal Court, Ste #100 Riviera Beach, FL 33404 (561) 683-6992  
**Emergency Phone Number:** 800-535-5053  
**Product Description:** Epoxy Resin Formulation  
**Product Use:** Intended to repair pipes  
**Chemical Name or Synonym:** N/A

**2. Hazards Identification**

**Classification of the substance or mixture**

Skin corrosion/irritation – Category 2  
 Sensitization/skin – Category 1  
 Eye damage/eye irritation – Category 2A  
 Aquatic Chronic – Category 2

**Label Elements:**



**Hazard Statements:**

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction  
 H319 Causes serious eye irritation  
 H411 Toxic to aquatic life with long lasting effects

**Signal Word:** Warning

**Precautionary Statement:**

P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.

**National Fire Protection Association Hazard Ratings – NFPA(R):**

Health Hazard: 1  
 Fire: 1  
 Reactivity: 0

**3. Composition/ Information on Ingredients**

Component	CAS #	% Composition
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular	25068-38-6	25-50

**Safety Data Sheet**  
**SQS04 Part A**

weight ≤ 700)		
Quartz (SiO <sub>2</sub> ) wetted form, non-particulate	14808-60-7	25-50
Silicon dioxide, chemically prepared	7631-86-9	≤ 2.5

**4. First Aid Measures**

**First Aid Measures for Accidental:**

**Eye Exposure:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor

**Skin Exposure:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

**Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

**Ingestion:** Do not induce vomiting. Give one to two cups of milk or water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical advice. A person vomiting while lying on their back should be turned onto their side

**Most important symptoms/effects, acute and delayed:** No further relevant information available.

**Indication of immediate medical attention and special treatment needed:** No further relevant information available.

**5. Fire Fighting Measures**

**Suitable Extinguishing Media:** Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.

**Unsuitable Extinguishing Media:** No further relevant information available.

**Special Protective Equipment and Precautions for Fire-fighters:** Wear self-contained respiratory protective device. Wear fully protective suit. Do not inhale explosion gases or combustion gases

**Specific Hazards Arising from the Chemical (Under Fire Conditions):** Combustion products may include carbon monoxide, carbon dioxide and unknown hydrocarbons.

**6. Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Put on appropriate personal protective equipment (see Section 8). Keep people at a distance and stay upwind.

**Environmental Precautions:** Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

**Methods and Materials for Containment and Cleaning Up:** Send for recovery or disposal in suitable receptacles. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation

**7. Handling and Storage**

**Precautions for safe handling:** Store in cool, dry place in tightly closed receptacles. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Store at ambient temperature 25 C.

**Conditions for safe storage including any incompatibilities:** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Store only in the original receptacle. Store indoors. Keep container tightly closed and sealed until ready for use.

**8. Exposure Controls / Personal Protection**

**Components with limit values that require monitoring at the workplace:**

- 14808-60-7 Quartz (SiO<sub>2</sub>) wetted form, non-particulate
- REL Long-term value: 0.05\* mg/m<sup>3</sup> respirable dust.
- TLV Long-term value: 0.025\* mg/m<sup>3</sup> as respirable fraction

**Appropriate Engineering Controls:** Ventilation must be adequate for most operations.

**Personal Protective Equipment:**

**Respiratory Protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Eye / Face Protection:** Tightly sealed goggles.

**Skin Protection:** Wear impermeable and resistant protective gloves. Protective work clothing

**Additional protective measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

**9. Physical and Chemical Properties**

<b>Physical State:</b>	Liquid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Mild
<b>Melting Point/ Freezing Point:</b>	No
<b>Boiling point:</b>	261 °C (502 °F)
<b>Flammability (solid, gas):</b>	No data available
<b>Lower and Upper Explosion limits/ Flammability Limits:</b>	No data available
<b>Flash Point:</b>	249 °C (480 °F)
<b>Auto-ignition Temperature:</b>	Product is not self-igniting.
<b>Decomposition Temperature:</b>	No data available
<b>pH:</b>	No data available
<b>Kinematic Viscosity:</b>	No data available
<b>Solubility:</b>	Not miscible or difficult to mix in water.
<b>Evaporation rate (ether=1):</b>	No data available
<b>Flammability Limits in Air:</b>	Not established for this product
<b>Solubility in other solvents:</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Vapour Pressure:</b>	No data available
<b>Density and/or Relative Density:</b>	No data available
<b>Relative Vapour Density:</b>	No data available
<b>Particle Characteristics:</b>	No data available
<b>Organic Solvent Content:</b>	0.0%

**Solids Content:** 99.3%

## 10. Stability and Reactivity

**Reactivity:** No specific test data related to reactivity available for this product or its ingredients.

**Chemical Stability:** Stable under standard use and storage conditions.

**Possibility of Hazardous reactions:** Reacts with amines. Reacts with catalysts, oxidizing agents and strong alkali. Hazardous polymerization may occur if mixed with amines in large masses and/or with heat.

**Conditions to Avoid:** No decomposition if used and stored according to specifications. Avoid elevated temperatures.

**Incompatible Materials / Chemicals:** Strong acids, strong bases, strong oxidizers, amines, and mercaptans.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide. Unknown hydrocarbons.

## 11. Toxicological Information

**Information in the likely route of exposure:**

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

**Potential Acute Health Effects:** No specific data.

**Symptoms related to the physical, chemical and toxicological characteristics:** No specific data.

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

Short term exposure: No specific data.

Long term exposure: No specific data

**Numerical measures of toxicity:** No specific data

**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

**Carcinogenic Categories:**

IARC (International Agency for Research on Cancer):

Quartz (SiO<sub>2</sub>) wetted form, non-particulate (14808-60-7): 1

Silicon dioxide, chemically prepared (7631-86-9): 3

Titanium dioxide wetted form, non-particulate (13463-67-7): 2B

NTP (National Toxicology Program):

Quartz (SiO<sub>2</sub>) wetted form, non-particulate (14808-60-7): 1

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

## 12. Ecological Information

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Ecotoxicological effects:** Toxic for fish

**Additional ecological information:**

**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

**Safety Data Sheet**  
**SQS04 Part A**

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

**Results of PBT and vPvB assessment:** Not Applicable

**Other adverse effects:** No further relevant information available.

**13. Disposal Considerations**

**Waste treatment methods:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Uncleaned packaging:** Disposal must be made according to official regulations. Dispose of in accordance to all local, state, and/or national legislation.

**14. Transport Information**

**DOT**

**Proper Shipping Name:** Not Regulated  
**UN-Number:** N/A  
**Hazard Class:** N/A  
**Packing Group:** N/A

**ADR**

**Proper Shipping name:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))  
**U.N. number:** UN 3082  
**Hazard Class:** Class 9. (Miscellaneous dangerous substances and articles)  
**Packing group:** III  
**Marine Pollutant:** Yes

**IMDG**

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))  
**Technical shipping name:** Prepreg epoxy resin.  
**U.N. number:** UN 3082.  
**Hazard Class:** Class 9. (Miscellaneous dangerous substances and articles)  
**Packing group:** III  
**Marine Pollutant:** Yes  
**Special precaution:** Warning: Miscellaneous dangerous substances and articles  
**EmS No.** F-A, S-F  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** N/A

**IATA**

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))  
**Technical shipping name:** Prepreg epoxy resin.  
**UN-Number:** UN 3082  
**Hazard Class:** 9 (Miscellaneous dangerous substances and articles)

Packing Group: III  
Marine Pollutant: Yes

**15. Regulatory Information**

**SARA Regulations:**

**Section 355 (Extremely hazardous substance):** None of the ingredients is listed

**Section 313 (Specific toxic chemical listings):** None of the ingredients is listed

**TSCA (Toxic Substance Control Act):** All ingredients are listed.

**Proposition 65:**

**Chemicals known to cause cancer:**

Quartz (SiO<sub>2</sub>) wetted form, non-particulate (14808-60-7)

Titanium dioxide wetted form, non-particulate (13463-67-7)

**Chemicals known to cause reproductive toxicity to females:** None of the ingredients is listed

**Chemicals known to cause reproductive toxicity to males:** None of the ingredients is listed

**Chemicals known to cause development toxicity:** None of the ingredients is listed

**Carcinogen categories:**

**EPA (Environmental Protection Agency):** None of the ingredients is listed

**TLV (Threshold Limit Value established by ACGIH)**

14808-60-7 Quartz (SiO<sub>2</sub>) wetted form, non-particulate A2

13463-67-7 titanium dioxide wetted form, non-particulate A4

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7 Quartz (SiO<sub>2</sub>) wetted form, non-particulate

13463-67-7 titanium dioxide wetted form, non-particulate

**16. Other Information**

**Key Legend Information:**

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

PEL – Permissible Exposure Limit

IMDG – International Maritime Code for Dangerous Goods

DOT – US Department of Transportation

IATA – International Air Transport Association

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not as product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. NRI makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. NRI assumes no responsibility for injury from the use of the product described herein. The information is intended only to assist in the safe handling of this material.

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