This product is classified as a hazardous product based on the potential for skin and eye irritation. Wear Personal Protective Equipment recommended to minimize exposure. See SECTION 8. Use this product only in the manner or application that it was intended for.

### Section 2. Hazard(s) Identification

- **Chemical Name and Manufacturer:**
  - Product Name: NatureSeal 500
  - Product Class: Spray Foam Insulation Part B
  - Quadrant Chemical Corporation
  - 200 Industrial Blvd. McKinney, Texas 75069
  - Phone: 972-542-0072  Fax: 972-562-1771
  - Emergency Contact: Infotrac 800-535-5053

### HMIS RATING:

- **Health:**
  - 2 = Slight
  - 4 = Extreme
- **Fire:**
  - 0 = Insignificant
  - 3 = High
- **Reactivity:**
  - 0 = Insignificant
  - 2 = Moderate
  - 1 = Slight

### Section 3. Composition / Information on Ingredients

The specific chemical identity of this material is considered to be Confidential Business Information.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Amount %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyol Blend</td>
<td>Trade Secret</td>
<td>30 - 60</td>
</tr>
<tr>
<td>Surfactant</td>
<td>Trade Secret</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Flame suppressant</td>
<td>Trade Secret</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Reaction Modifier</td>
<td>Trade Secret</td>
<td>5 - 15</td>
</tr>
<tr>
<td>Co-reactant</td>
<td>Trade Secret</td>
<td>10 - 30</td>
</tr>
</tbody>
</table>

### Section 4. First Aid Measures

- **Inhalation:** If overexposed, move subject to fresh air. Give artificial respiration if breathing has stopped. With any difficulty, IMMEDIATELY see a physician.
- **Ingestion:** Do not induce vomiting. If swallowed give 2 glasses of water to drink. IMMEDIATELY see a physician. Never give anything by mouth to an unconscious person. Careful gastric lavage may be indicated.
- **Skin:** IMMEDIATE REMOVAL FROM THE SKIN IS ESSENTIAL TO PREVENT IRRITATION. Wash affected skin areas thoroughly with soap and water. See a physician.
- **Eye:** IMMEDIATELY flush eyes with a large amount of water for at least 15 minutes holding eye lids open. See a physician.
**Section 5. Fire Fighting Measures and Properties**

**Unusual Hazards:** Under fire conditions containers may rupture due to pressure buildup.

**Extinguishing Agents:** Use the following extinguishing media
- Alcohol Foam
- Carbon Dioxide
- Water Spray
- Dry Chemical

**PPE Required:** Wear a self contained breathing apparatus (pressure-demand MSHA / NIOSH approved or equivalent) and full protective gear.

**Special Procedures:** Use water spray to cool fire exposed containers.

**Hazardous Decomposition Products:** Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Aldehydes, Ketones, and various Halogenated Compounds.

**Section 6. Accidental Release Measures**

**Personal Protection:** Not normally needed for inhalation. If ventilation is poor, wear a MSHA / NIOSH approved (or equivalent) full-face air-purifying respirator. Wear full protective equipment including aprons or overalls, gloves, boots, chemical splash goggles, and face shield (ANSI Z-87.1 or approved equivalent). If exposed to material during clean-up operations, immediately remove contaminated clothing and wash exposed skin areas with soap and water. Do not take clothing home to be laundered.

Avoid all contact with unprotected skin, foot wear, and clothing. Contain spills immediately with inert materials (e.g. sand, earth). Do not allow material to seep into sewer drains, rivers, creeks, or any other open body of water. Transfer liquids and solid diking material to separate suitable containers for recovery and/or disposal. See SECTION 13 for information regarding the disposal of contained spills.

**Section 7. Handling and Storage**

**Storage Conditions:** Store at room temperature away from excessive heat (e.g. steam pipes, radiators) or sources of ignition and from reactive materials. Keep container tightly closed when not in use. If material is poured into other containers, transfer label information promptly.

**Handling procedures:** Avoid direct contact with product. Wear required Personal Protective Equipment to avoid contact when working with this product. See SECTION 8 for the appropriate guidelines to follow. Do not eat, drink, or smoke in the area where this material is being used. Observe all precautionary use recommendations.

**Incompatibility:** Avoid all contact with incompatible materials such as strong acids, bases, and reactive products. Mixing with reactive or incompatible materials may result in a dangerous situation. A high exothermic reaction may take place and containers may build pressure sufficient enough to rupture the container.

**Other:** CONTAINER MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue (vapors and/or liquid) follow all SDS and label warnings even when container is considered empty. Do NOT cut, drill, grind, weld, braze on or near container.
Section 8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th></th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyol Blend</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Surfactant</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Flame suppressant</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Reaction Modifier</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Co-reactant</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Personal Protection Measures**

Respiratory Protection: Not normally needed. If material is heated some vapors may be produced. Atmospheric levels should be maintained below the exposure limit. If no limit has been established, general or local ventilation should be utilized to minimize exposure. Air-purifying masks should be used when fumes or vapors are concentrated in the work area.

Eye Protection: Use chemical splash goggles and face shield (ANSI Z87.1 or an approved equivalent). Eye protection worn must be compatible with the respiratory system employed.

Hand Protection: The gloves listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Butyl Rubber, Nitrile, Neoprene, PVC, or VITON. VITON (registered trademark of I.E. Dupont)

Other Protection: Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are suggested.

**Facility Control Measures**

Ventilation: Refer to the current edition of *Industrial Ventilation: A Manual of Recommended Practice* Published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Other: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Section 9. Physical and Chemical Properties

**Typical Physical Properties**

- Appearance (physical State, color): Liquid
- Upper Flammability or explosive limits: Not Available
- Lower Flammability or explosive limits: Not Available
- Flash Point: > 200 °F
- Flammability (solid, gas): Not Available
- Auto Ignition Temperature: Not Available
- Decomposition Temperature: Not Available
- Odor: Negligible
- Odor Threshold: Not Available
- Vapor Pressure: Not Available
- Vapor Density (Air = 1): Not Available
- pH: Not Available
- Density: 1.1
- Melting Point / Freezing Point: Not Available
- Solubility in Water: Soluble
- Boiling Point °C: > 200 °F
- Evaporation Rate (Bac = 1): Not Available
- Partition Coefficient: n-octanol / water: Not Available
- Viscosity: < 300 cps @ 77 °F
Section 10. Stability and Reactivity

Chemical Stability: This material is considered stable under the specified conditions of storage, shipment, and/or use.

Hazardous Polymerization: Will not occur under normal use.

Incompatibility: Avoid all contact with incompatible materials such as strong acids, bases, and reactive products. Mixing with reactive or incompatible materials may result in a dangerous situation. A high exothermic reaction may take place and containers may build pressure sufficient enough to rupture the container.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Aldehydes, Ketones, and various Halogenated Compounds.

Section 11. Toxicological Information

Routes of Exposure: Inhalation, Ingestion, Skin Contact, Eye Contact

Inhalation: Inhalation of vapor or mist can cause the following: Irritation to the respiratory tract, headaches, coughing, nausea, and dizziness.

Ingestion: May cause irritation to mouth, throat, esophagus, and stomach resulting in nausea, vomiting, abdominal pain, and diarrhea.

Skin Contact: May cause skin irritation and dermatitis. Pre-existing skin allergies may increase the chance of developing increased allergy symptoms. Pre-existing skin and eye disorders may be aggravated by exposure.

Eye Contact: vapors and liquid may cause moderate to severe Irritation with tearing, reddening, blurred vision, and pain.

Chronic Health Effects: The components in this product are not listed by NTP, IARC, or are regulated as a carcinogen by OSHA. No Mutagenic, Reproductive, or Developmental effects or critical hazards are known.

<table>
<thead>
<tr>
<th></th>
<th>Inhalation LC 50 Rat</th>
<th>Oral LD 50 Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyol Blend</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Surfactant</td>
<td>N/A</td>
<td>N/A</td>
</tr>
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<td>Flame suppressant</td>
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<td>Reaction Modifier</td>
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</tr>
<tr>
<td>Co-reactant</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section 12. Ecological Information

This product as purchased has not been tested to determine the actual LC50 and EC50, but is expected to be moderately toxic to aquatic organisms on an acute basis. Use appropriate precautions to prevent any release into the environment when that release may result in contamination of rivers, streams, or bodies of water.

Section 13. Disposal Considerations

Waste Disposal: Under RCRA, it is the responsibility of the user of products to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, and processes may render the resulting material hazardous.

Product as purchased may be disposed of by incineration. Most states prohibit disposal of liquids in landfills. For disposal purposes, waste must be tested in accordance with applicable Federal, State, and Local regulations where the waste material is generated, treated, and/or disposed of to verify the appropriate classification.

Other: See SECTION 6 and SECTION 8 for any supplemental information.
Transport Classification: See shipping Bill of Lading for proper shipping classification.

Section 15. Regulatory Information

Work Place Classification: The product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200)

Section 311 / 312 (40CFR 370): Due to the potential for allergic skin reactions this product is categorized as an

Immediate and Delayed Health Hazard

CERCLA Information (40CFR 302.4): This material does not have a reportable quantity under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

Chemical Control Law Status: All components of this product are listed or are excluded from listing on the USA Toxic Substance Control Act (TSCA) chemical substance inventory.

Section 16. Other Information

Preparation Date: March 26, 2013