## Section I – Product Information

<table>
<thead>
<tr>
<th>Product Name or Identity:</th>
<th>Ag-Tek Surgical Suture/Catgut Chromic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer’s Name:</td>
<td>Neogen Corporation</td>
</tr>
<tr>
<td></td>
<td>944 Nandino Blvd</td>
</tr>
<tr>
<td></td>
<td>Lexington, KY 40511</td>
</tr>
<tr>
<td></td>
<td>Phone No: 859 254 1221</td>
</tr>
</tbody>
</table>

**Emergency Phone No.** 800 424 9300
**Int’l Emergency Phone No.** 703 527 3887
**Collect Calls Accepted**
**Fax No.:** 859 255 5532
**e-mail:** inform@neogen.com

**Date Prepared or Revised:** 01/08/2010

## Section II – Hazardous Ingredients / Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity: Common Names)</th>
<th>OSHA PEL (Permissible Exposure Limits)</th>
<th>ACGIH TLV (Threshold Limit Value)</th>
<th>Toxicity Data LD&lt;sub&gt;50&lt;/sub&gt; (Lethal Dose)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>NA</td>
<td>EH40/95</td>
<td>Acute oral: &gt; 2000 mg/kg Acute dermal: &gt; 2000 mg/kg Acute inhalation: &gt; 5 mg/L</td>
</tr>
</tbody>
</table>

Highly flammable. In use, may form flammable/explosive vapor-air mixture.

## Section III – Physical Characteristics

- **Boiling Point:** 82-83°C (ASTM D-1078)
- **Specific Gravity (water = 1):** 1.015
- **Flash Point:** 12°C (Abel)
- **Auto-Ignition Temperature:** 425°C (ASTM D-2155)
- **Vapor Pressure:** 4100 Pa at 20°C
- **N-Octanal/Water Partition:** 0.05
- **Vapor Density:** Typical 785 kg/m³ at 20°C
- **Dynamic Viscosity:** 2.43 mPa*s (ASTM D-445)
- **Surface Tension:** 22.7 mN/m at 20°C
- **Electrical Conductivity:** 6 mcS/m at 20°C (ASTM D-4308)
- **Physical State:** Liquid
- **Molecular Mass:** 60.1
- **Solubility in Water:** Completely capable of being mixed
- **Appearance and Odor:** Characteristic

## Section IV – Fire and Explosion Hazard Data

- **Flash Point** *(Method):* 12°C (Abel)
- **Estimated Flammable Limits:** LEL (Lower Explosive Limit) – 2% (v/v) UEL (Upper Explosive Limit) – 12% (v/v)

Specific Hazards: Hazardous combustion products may include carbon monoxide. The vapor is heavier than air, spreads along the ground and distant ignition is possible.

Extinguishing Media: Alcohol resistant foam; Water spray or fog; Dry chemical powder; Carbon dioxide; Sand or earth may be used on small fires only.

Unsuitable Extinguishing Media for Safety Reasons: Full water jet.


Other Important Information: Keep the adjacent containers cooled by spraying with water.
Section V – Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid: Heat, flames, and sparks.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
</tr>
<tr>
<td>Stable</td>
<td>X</td>
</tr>
</tbody>
</table>

Incompatibility (Material to Avoid): Strong oxidizing agents and acids.

Hazardous Decomposition or Byproducts: None known.

Hazardous Polymerization: Will not occur.

Section VI – Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation: Irritation of the respiratory tract.</th>
<th>Skin, eyes: Irritation of the skin and eyes.</th>
<th>Ingestion: May cause inebriation, coma.</th>
</tr>
</thead>
</table>

Health Hazards (Acute and Chronic): Irritating to eyes. Narcotic at high vapor concentrations. Repeated exposure affects the nervous system. Effects were seen at high doses only. Prolonged/repeated contact may cause defatting of the skin, which can lead to dermatitis.

Carcinogenicity: Not mutagenic.

NTP: Not Listed
I.A.R.C. monographs: Not Listed
OSHA Regulated: Not Listed

Signs and Symptoms of Exposure: Headache, dizziness, nausea, narcosis, dryness of the skin.

Medical Conditions Generally Aggravated by Exposure: NA

Emergency / First Aid Procedures

Ingestion: Do not induce vomiting. This material is an aspiration hazard. If individual is drowsy or unconscious, place on left side with head down. Seek medical attention. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen.

Eye Contact: Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Section VII – Precautions for Safe Handling and Use

Accidental Release Measures: For small spills, absorb or contain liquid with sand, earth, or spill control material. Shovel up and place in labeled, sealed container for subsequent safe disposal. Put leaking containers in a labeled drum or over-drum. Flush contaminated area with plenty of water. Retain washings as contaminated waste. For large spills, transfer to a labeled, sealable container for product recovery or safe recovery. Treat residue as for small spillage.

Waste Disposal Method: Recover or recycle if possible. Incineration. Comply with local regulations.

Handling and Storing: Avoid contact with eyes and prolonged or repeated exposure with skin. Extinguish any naked flames, remove from any ignition sources, avoid all sparks, do not smoke, and do not empty into drains. Handle at ambient temperatures. Keep away from direct sunlight and other sources of heat or ignition. Keep the container tightly closed and in a well ventilated place.

Other Precautions: There is a risk of explosion. Please inform emergency services if the liquid enters a surface drain. The vapors may form an explosive mixture with air.

Section VIII – Control Measures

Respiratory Protection (Specify Type): Normally not required

Ventilation

| Local exhaust | Special: None | Other: NA |

Protective Gloves: Rubber

Eye Protection: Safety glasses, chemical goggles

Other Protective Equipment: None

Other Protective Equipment: None

Work/Hygienic Practices: Use good work practices
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