Material Safety Data Sheet
Hydroxylamine - 50% MSDS

Section 1: Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroxylamine - 50%</td>
<td>Sciencelab.com, Inc.</td>
</tr>
<tr>
<td>Catalog Codes: SLH1135</td>
<td>14025 Smith Rd.</td>
</tr>
<tr>
<td>CAS#: Mixture.</td>
<td>Houston, Texas 77396</td>
</tr>
<tr>
<td>RTECS: Not applicable.</td>
<td>US Sales: 1-800-901-7247</td>
</tr>
<tr>
<td>TSCA: TSCA 8(b) inventory: Hydroxylamine; Water</td>
<td>International Sales: 1-281-441-4400</td>
</tr>
<tr>
<td>CI#: Not available.</td>
<td>Order Online: ScienceLab.com</td>
</tr>
<tr>
<td>Synonym:</td>
<td>CHEMTREC (24HR Emergency Telephone), call:</td>
</tr>
<tr>
<td>Chemical Name: Not applicable.</td>
<td>1-800-424-9300</td>
</tr>
<tr>
<td>Chemical Formula: Not applicable.</td>
<td>International CHEMTREC, call: 1-703-527-3887</td>
</tr>
<tr>
<td></td>
<td>For non-emergency assistance, call: 1-281-441-4400</td>
</tr>
</tbody>
</table>

Section 2: Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroxylamine</td>
<td>7803-49-8</td>
<td>50</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Hazardous in case of skin contact (permeator), of inhalation. Slightly hazardous in case of skin contact (corrosive, sensitizer). Severe over-exposure can produce lung damage, choking, unconsciousness or death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. The product is a severe irritant for lungs and respiratory tract.

Potential Chronic Health Effects:
**Section 4: First Aid Measures**

**Eye Contact:**
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

**Skin Contact:**
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

**Serious Skin Contact:**
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

**Inhalation:**
Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:**
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

**Ingestion:**
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:**
Not available.

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**Section 5: Fire and Explosion Data**

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances**:

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

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**Section 6: Accidental Release Measures**

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.

**Large Spill:**

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**Section 7: Handling and Storage**

**Precautions:**
Do not breathe gas/fumes/vapour/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep container tightly closed and dry. Avoid contact with skin and eyes.

Storage: Corrosive materials should be stored in a separate safety storage cabinet or room.

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### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** No special ventilation requirements.

**Personal Protection:** Splash goggles. Lab coat. Self contained breathing apparatus. Gloves.

**Personal Protection in Case of a Large Spill:**
Splash goggles. Full suit. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

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### Section 9: Physical and Chemical Properties

**Physical state and appearance:** Not available.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** Not applicable.

**Color:** Not available.

**pH (1% soln/water):** Neutral.

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Weighted average: 1.1 (Water = 1)

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water.

**Solubility:** Easily soluble in cold water.

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### Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Not available.
Corrosivity: Non-corrosive in presence of glass.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: No.

### Section 11: Toxicological Information

**Routes of Entry:** Dermal contact. Eye contact. Inhalation. Ingestion.

**Toxicity to Animals:**
LD50: Not available. LC50: Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:**
Very hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of skin contact (permeator), of inhalation. Slightly hazardous in case of skin contact (corrosive, sensitizer).

**Special Remarks on Toxicity to Animals:** Not available.
**Special Remarks on Chronic Effects on Humans:** Not available.
**Special Remarks on other Toxic Effects on Humans:** Not available.

### Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

### Section 13: Disposal Considerations

**Waste Disposal:**

### Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Amine, liquid, corrosive, n.o.s. (Hydroxylamine, solution) : UN2735 PG: II

**Special Provisions for Transport:** Not available.

### Section 15: Other Regulatory Information

**Federal and State Regulations:**
Pennsylvania RTK: Hydroxylamine Florida: Hydroxylamine Massachusetts RTK: Hydroxylamine TSCA 8(b) inventory: Hydroxylamine; Water

Other Classifications:

WHMIS (Canada): CLASS E: Corrosive liquid.


HMIS (U.S.A.):
- Health Hazard: 2
- Fire Hazard: 0
- Reactivity: 0
- Personal Protection: 

National Fire Protection Association (U.S.A.):
- Health: 2
- Flammability: 0
- Reactivity: 0
- Specific hazard:

Protective Equipment:
Gloves. Lab coat. Self contained breathing apparatus. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

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### Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

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**Last Updated:** 11/01/2010 12:00 PM

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