### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance name</td>
<td>NAR10008B Duquenois Reagent for Marijuana, Hashish, &amp; THC</td>
</tr>
<tr>
<td>Product code</td>
<td>NAR10008B</td>
</tr>
</tbody>
</table>

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Laboratory chemical

#### 1.3. Details of the supplier of the safety data sheet

SIRCHIE Finger Print Laboratories  
100 Hunter Place  
Youngsville, NC 27596 - USA  
T 919-554-2244; 800-356-7311 - F 919-554-2266; 800-899-8181  
http://www.sirchie.com

#### 1.4. Emergency telephone number

Emergency number: 1.800.424.9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification (GHS-US)

| Skin Corr. | H314 |
| STOT SE | H335 |

Full text of H-phrases: see section 16

#### 2.2. Label elements

GHS-US labeling

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS-US)</th>
</tr>
</thead>
</table>
| GHS05  
| GHS07 |

Signal word (GHS-US): Danger

Hazard statements (GHS-US):  
- H314 - Causes severe skin burns and eye damage  
- H335 - May cause respiratory irritation

Precautionary statements (GHS-US):  
- P260 - Do not breathe vapors, spray, mist, fume  
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
- P264 - Wash all exposed skin thoroughly after handling  
- P271 - Use only outdoors or in a well-ventilated area  
- P280 - Wear eye protection, protective gloves  
- P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting  
- P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
- P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
- P310 - Immediately call a poison center/doctor/…  
- P312 - Call a poison center/doctor/… if you feel unwell  
- P321 - Specific treatment (see instructions on this label)  
- P366 - Wash contaminated clothing before reuse  
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
- P405 - Store locked up  
- P501 - Dispose of contents/container to local/regional/national/international regulations

#### 2.3. Other hazards

No additional information available
NAR10008B Duquenois Reagent for Marijuana, Hashish, & THC Safety Data Sheet

SECTION 3: Composition/information on ingredients

### 3.1. Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrochloric acid</td>
<td>(CAS No) 7647-01-0</td>
<td>100</td>
<td>Skin Corr. 1B, H314, STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

### 3.2. Mixture

Not applicable

SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

#### 5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Reactivity: No data available.

#### 5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep only in the original container in a cool, well ventilated place away from strong bases. Keep container closed when not in use.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>NAR10008B Duquenois Reagent for Marijuana, Hashish, &amp; THC</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
</tr>
<tr>
<td>hydrochloric acid (7647-01-0)</td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>ACGIH Ceiling (ppm) 2 ppm</td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Hand protection: Wear protective gloves.
Eye protection: Chemical goggles or safety glasses.
Respiratory protection: Wear appropriate mask.
Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Irritating/pungent odour</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Relative vapor density at 20 °C : No data available
Solubility : Soluble in water.
    Water: Solubility in water of component(s) of the mixture :
    * :
Log Pow : No data available
Log Kow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
Skin corrosion/irritation : Causes severe skin burns and eye damage.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
    Based on available data, the classification criteria are not met
Carcinogenicity : Not classified

hydrochloric acid (7647-01-0)

<table>
<thead>
<tr>
<th>IARC group</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Not classifiable</td>
</tr>
</tbody>
</table>

Reproductive toxicity : Not classified
    Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure) : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity
**NAR10008B Duquenois Reagent for Marijuana, Hashish, & THC**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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**hydrochloric acid (7647-01-0)**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>282 mg/l (96 h; Gambusia affinis; Pure substance)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>862 mg/l (96 h; Leuciscus idus; Pure substance)</td>
</tr>
<tr>
<td>TLM fish 1</td>
<td>282 ppm (96 h; Gambusia affinis; Pure substance)</td>
</tr>
</tbody>
</table>

**12.2. Persistence and degradability**

<table>
<thead>
<tr>
<th><strong>NAR10008B Duquenois Reagent for Marijuana, Hashish, &amp; THC</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
</tr>
<tr>
<td>Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>hydrochloric acid (7647-01-0)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
</tr>
<tr>
<td>Biodegradability: not applicable. No (test)data on mobility of the components available.</td>
</tr>
</tbody>
</table>

**12.3. Bioaccumulative potential**

<table>
<thead>
<tr>
<th><strong>NAR10008B Duquenois Reagent for Marijuana, Hashish, &amp; THC</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
<tr>
<td>Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>hydrochloric acid (7647-01-0)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>0.3 (Literature)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Bioaccumulative potential</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

**12.4. Mobility in soil**

<table>
<thead>
<tr>
<th><strong>hydrochloric acid (7647-01-0)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - soil</td>
</tr>
<tr>
<td>May be harmful to plant growth, blooming and fruit formation.</td>
</tr>
</tbody>
</table>

**12.5. Other adverse effects**

- **Effect on the global warming**: No known ecological damage caused by this product.
- **Other information**: Avoid release to the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

- **Waste disposal recommendations**: Dispose in a safe manner in accordance with local/national regulations.
- **Ecology - waste materials**: Avoid release to the environment.

**SECTION 14: Transport information**

**Department of Transportation (DOT)**

In accordance with DOT

- **Proper Shipping Name (DOT)**: Chemical kit
- **Department of Transportation (DOT) Hazard Classes**: 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140
- **Hazard labels (DOT)**: 9 - Class 9 (Miscellaneous dangerous materials)

**Packing group (DOT)**: II - Medium Danger

**Additional information**

- **Other information**: No supplementary information available.

**ADR**

No additional information available

**Transport by sea**

No additional information available
NAR10008B Duquenois Reagent for Marijuana, Hashish, & THC
Safety Data Sheet

Air transport
UN-No.(IATA): UN3316
Proper Shipping Name (IATA): Chemical kit
Class (IATA): 9 - Miscellaneous Dangerous Goods

SECTION 15: Regulatory information
15.1. US Federal regulations
NAR10008B Duquenois Reagent for Marijuana, Hashish, & THC
Listed on United States SARA Section 313
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations
CANADA
No additional information available
EU-Regulations
No additional information available
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Corr. 1B H314
STOT SE 3 H335
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
C; R34
Xi; R37
Full text of R-phrases: see section 16

National regulations
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information
Indication of changes: Revision - See : *.

Other information: None.

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Skin Corr. 1B</th>
<th>Skin corrosion/irritation Category 1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

NFPA health hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard: 1 - Must be preheated before ignition can occur.

NFPA reactivity: 2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.
### HMIS III Rating

<table>
<thead>
<tr>
<th>Category</th>
<th>Hazard Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2 Moderate Hazard</td>
<td>Temporary or minor injury may occur</td>
</tr>
<tr>
<td>Flammability</td>
<td>1 Slight Hazard</td>
<td>Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)</td>
</tr>
<tr>
<td>Physical</td>
<td>2 Moderate Hazard</td>
<td>Materials that are unstable and may undergo violent chemical changes at normal temperature and pressure with low risk for explosion. Materials may react violently with water or form peroxides upon exposure to air.</td>
</tr>
</tbody>
</table>

### Personal Protection

<table>
<thead>
<tr>
<th>Protection</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>Safety glasses, Gloves, Vapor respirator</td>
</tr>
</tbody>
</table>

**SDS US (GHS HazCom 2012)**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.