Section 1  
Product Description

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Congo Red, 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Use:</td>
<td>Science education applications</td>
</tr>
<tr>
<td>Synonyms:</td>
<td>N/A</td>
</tr>
<tr>
<td>Distributor:</td>
<td>Carolina Biological Supply Company</td>
</tr>
<tr>
<td>2700 York Road, Burlington, NC 27215</td>
<td></td>
</tr>
<tr>
<td>1-800-227-1150</td>
<td></td>
</tr>
<tr>
<td>Chemical Information:</td>
<td>800-227-1150 (8am-5pm (ET) M-F)</td>
</tr>
<tr>
<td>Chemtrec:</td>
<td>800-424-9300 (Transportation Spill Response 24 hours)</td>
</tr>
</tbody>
</table>

Section 2  
Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

**DANGER**

May cause cancer. Suspected of damaging fertility or the unborn child.

**GHS Classification:**
Carcinogenicity Category 1B, Reproductive Toxicity Category 2

**Other Safety Precautions:**
IF exposed or concerned: Get medical advice/attention.

Section 3  
Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>99</td>
</tr>
<tr>
<td>Congo Red, Sodium Salt</td>
<td>573-58-0</td>
<td>1</td>
</tr>
</tbody>
</table>

Section 4  
First Aid Measures

**Emergency and First Aid Procedures**

**Inhalation:**
In case of accident by inhalation: remove casualty to fresh air and keep at rest.

**Eyes:**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Ingestion:**
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5  
Firefighting Procedures

**Extinguishing Media:**
Use media suitable to extinguish surrounding fire.

**Fire Fighting Methods and Protection:**
Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

**Fire and/or Explosion Hazards:**
N/A

**Hazardous Combustion Products:**
Carbon dioxide, Carbon monoxide

Section 6  
Spill or Leak Procedures

**Steps to Take in Case Material Is Released or Spilled:**
No health affects expected from the clean-up of this material if contact can be avoided.

Follow personal protective equipment recommendations found in Section 8 of this (M)SDS.
Safety Data Sheet

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7 Handling and Storage

Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid contact with skin and eyes. Avoid contact with clothing. After contact with skin, wash immediately with plenty of water. Harmful if swallowed.

Storage: Store locked up. Keep container tightly closed in a cool, well-ventilated place.

Section 8 Protection Information

Control Parameters

Engineering Measures: No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE):

Lab coat, apron, eye wash, safety shower.

Respiratory Protection:

No respiratory protection required under normal conditions of use.

Eye Protection:

Wear chemical splash goggles when handling this product. Have an eye wash station available.

Skin Protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: No information available

Section 9 Physical Data

Formula: See Section 3
Molecular Weight: N/A
Appearance: Colorless Liquid
Odor: None
Odor Threshold: No data available
pH: No data available
Melting Point: No data available
Boiling Point: 100 C
Flammable Limits in Air: N/A

Vapor Pressure: Approximately 17.535 mmHg at 20 °C
Evaporation Rate (BuAc=1): 1
Vapor Density (Air=1): Approximately 0.7 (Water)
Specific Gravity: 1
Solubility in Water: Soluble
Log Pow (calculated): No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available
Percent Volatile by Volume: 99%

Section 10 Reactivity Data

Reactivity: No data available
Chemical Stability: Stable under normal conditions.
Conditions to Avoid: None known.
Incompatible Materials: Water-reactive materials, Strong oxidizing agents
Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry N/A
Symptoms (Acute): N/A
Delayed Effects: No data available

Acute Toxicity:

Chemical Name CAS Number Oral LD50 Dermal LD50 Inhalation LC50
Water 7732-18-5 Oral LD50 Rat 90000 mg/kg

Congo Red, 1%
Congo Red, Sodium Salt

573-58-0

Oral LD50 Rat

15200 mg/kg

Carcinogenicity:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Congo Red, Sodium Salt</td>
<td>573-58-0</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Chronic Effects:

- Mutagenicity: No evidence of a mutagenic effect.
- Teratogenicity: Evidence of a teratogenic effect (birth defect).
- Sensitization: No evidence of a sensitization effect.
- Reproductive: Evidence of negative reproductive effects.
- Target Organ Effects:
  - Acute: See Section 2
  - Chronic: Not listed as a carcinogen by IARC, NTP or OSHA., Mutation data cited., Reproductive data cited.

Section 12  Ecological Data

Overview: This material is not expected to be harmful to the ecology.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Eco Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>No data available</td>
</tr>
<tr>
<td>Congo Red, Sodium Salt</td>
<td>573-58-0</td>
<td></td>
</tr>
</tbody>
</table>

Section 13  Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s): Not Determined

Section 14  Transport Information

Ground - DOT Proper Shipping Name: N/A

Air - IATA Proper Shipping Name: Not regulated for air transport by IATA.

Section 15  Regulatory Information

TSCA Status: All components in this product are on the TSCA Inventory.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>§ 313 Name</th>
<th>§ 304 RQ</th>
<th>CERCLA RQ</th>
<th>§ 302 TPQ</th>
<th>CAA 112(2) TQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Congo Red, Sodium Salt</td>
<td>573-58-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Section 16  Additional Information


The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

Congo Red, 1%
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service Number</td>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation, and Liability Act</td>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>DOT</td>
<td>U.S. Department of Transportation</td>
<td>RCRA</td>
<td>Resource Conservation and Recovery Act</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act</td>
</tr>
<tr>
<td>N/A</td>
<td>Not Available</td>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IDLH</td>
<td>Immediately dangerous to life and health</td>
</tr>
</tbody>
</table>