1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: DEEP RED ANODIZING DYE  
GENERIC NAME: ANODIZING DYES  

MANUFACTURER  
Caswell Inc  
7696 Route 31  
Lyons, NY 14489  

Emergency Contact: Caswell Inc  
Product Stewardship: 315 946 1213  
Transportation: 800 424 9300  
Service Number: 315 946 1213  

USA  
Emergency Contact: Caswell Inc  
Emergency Phone: +1 315 946 1213  
Service Number: +1 315 946 1213  
Transportation Number: +1 703 527 3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

<table>
<thead>
<tr>
<th>Health</th>
<th>Environmental</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irritation, Category 2B</td>
<td>Chronic Hazards to the Aquatic Environment, Category 4</td>
</tr>
<tr>
<td>Skin Corrosion, Category 3</td>
<td></td>
</tr>
<tr>
<td>Respiratory Tract Irritation, Category 3</td>
<td></td>
</tr>
</tbody>
</table>

GHS LABEL

<table>
<thead>
<tr>
<th>Exclamation mark</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Exclamation mark]</td>
<td>![Environment]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WARNING</th>
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</tr>
</thead>
<tbody>
<tr>
<td>H315: Causes skin irritation.</td>
<td>H412: Harmful to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H302: Harmful if swallowed.</td>
<td></td>
</tr>
<tr>
<td>H335: May cause respiratory irritation.</td>
<td></td>
</tr>
<tr>
<td>H319: Causes serious eye irritation.</td>
<td></td>
</tr>
</tbody>
</table>

PRECAUTIONARY STATEMENT(S)
Prevention:
P262: Do not get in eyes, on skin, or on clothing.
P202: Do not handle until all safety precautions have been read and understood.
P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P341: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
0311FBF0: Specific treatment is urgent (see Section 4 on this label).
P273: Avoid release to the environment.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.
SKIN: Causes skin irritation.
INGESTION: Harmful if swallowed.
INHALATION: Harmful if inhaled.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
<th>EINECS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromic Trioxide (chromic Acid)</td>
<td>&lt; 5</td>
<td>1333-82-0</td>
<td>215-607-8</td>
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<tr>
<td>Formic Acid</td>
<td>&lt; 3</td>
<td>64-18-6</td>
<td>- -</td>
</tr>
<tr>
<td>Hexylene Glycol</td>
<td>&lt; 3</td>
<td>107-41-5</td>
<td>203-489-0</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
INGESTION: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: Not flammable
EXTINGUISHING MEDIA: Water, CO2 or dry chemical.
FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
HAZARDOUS DECOMPOSITION PRODUCTS: Burning will produce oxides of carbon, nitrogen and sulfur.

6. ACCIDENTAL RELEASE MEASURES
SMALL SPILL: Clean up spills immediately, observing precautions in Protective Equipment section.

LARGE SPILL: No data available. Contact Env. Dept.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow to reach sewer or water source.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing.

HANDLING: Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

STORAGE: Store in a tightly closed container, away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: Wear gloves.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: Wash hands with hot water and soap after using this product, especially before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild

APPEARANCE: Viscous liquid

SOLUBILITY IN WATER: Complete

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

HAZARDOUS DECOMPOSITION PRODUCTS: Burning will produce oxides of carbon, nitrogen, and/or sulfur.

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Heavy metals toxic to sludge organisms and fish.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Comply with all local, state and federal laws.

EMPTY CONTAINER: Since empty container will contain product residue, dispose of according to all local, state and federal laws.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
MATERIAL SAFETY DATA SHEET

PROPER SHIPPING NAME: Not restricted by DOT

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes
313 REPORTABLE INGREDIENTS: Chromium Trioxide
TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

16. OTHER INFORMATION

REASON FOR ISSUE: MSDS format revision
PREPARED BY: L CASWELL
REVISION SUMMARY: Revision #: 1. This MSDS replaces the July 14, 2010 MSDS.

HMIS RATING

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>0</td>
<td>E</td>
</tr>
</tbody>
</table>

NFPA CODES

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