



**CASWELL INC**

## **Safety Data Sheet Green AEN Dye**

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### **SECTION 1: Identification**

#### **1.1 Product identifier**

|                |               |
|----------------|---------------|
| Product name   | Green AEN Dye |
| Product number | DYEGRAEN      |
| Brand          | Caswell       |

#### **1.3 Recommended use of the chemical and restrictions on use**

Dye for aluminum

#### **1.4 Supplier's details**

|           |   |
|-----------|---|
| Name      | Caswell Inc                             |
| Address   | 7696 Route 31<br>Lyons, NY 14489<br>USA |
| Telephone | 315 946 1213                            |
| Fax       | 315 946 4456                            |
| email     | sales@caswellplating.com                |

#### **1.5 Emergency phone number(s)**

Office Hours (9-4ET): 315 946 1213  
24 Hour: CHEMTEL US# 1-800-255-3924    Intl# +01-813-248-0585

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### **SECTION 2: Hazard identification**

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

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**  
- Acute toxicity, oral (chapter 3.1), Cat. 4

#### **2.2 GHS label elements, including precautionary statements**

**Pictogram**



# Safety Data Sheet

## Green AEN Dye

### Signal word

### Warning

#### Hazard statement(s)

H302

Harmful if swallowed

#### Precautionary statement(s)

P264

P270

P301+P312

P330

P501

Wash ... thoroughly after handling.

Do not eat, drink or smoke when using this product.

IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,

Rinse mouth.

Dispose of contents/container to ...

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

#### Hazardous components

##### 1. Component 1 (trade secret)

Concentration

90 - 100 %

##### 2. Sodium acetate trihydrate

Concentration

10 - 25 %

CAS no.

6131-90-4

##### 3. CHROMIUM

Concentration

1 - 5 %

CAS no.

7440-47-3

#### Trade secret statement (OSHA 1910.1200(i))

In accordance with paragraph (i) of ss. 1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Rinse with plenty of water. Get medical attention if irritation develops and persists.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

Personal protective equipment for first-aid responders

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Refer to section 8

**4.2 Most important symptoms/effects, acute and delayed**  
not established

**4.3 Indication of immediate medical attention and special treatment needed, if necessary**  
not established

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### SECTION 5: Fire-fighting measures

**5.1 Suitable extinguishing media**  
Any available

**5.2 Specific hazards arising from the chemical**  
not established

**5.3 Special protective actions for fire-fighters**  
Wear self-contained breathing apparatus for firefighting if necessary.

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### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

**6.2 Environmental precautions**  
Avoid release to environment

**6.3 Methods and materials for containment and cleaning up**  
SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

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### SECTION 7: Handling and storage

**7.1 Precautions for safe handling**  
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**7.2 Conditions for safe storage, including any incompatibilities**  
not established

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**1. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)**

PEL (Inhalation): 0.5 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**2. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)**

PEL (Inhalation): 0.5 mg/m<sup>3</sup> (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**3. Chromium (II) compounds (as Cr) (CAS: 7440-47-3)**

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REL (Inhalation): 0.5 mg/m<sup>3</sup>, See Appendix C (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 4. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 0.5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 5. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 0.5 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 6. Chromium (III) compounds (as Cr) (CAS: 7440-47-3)

REL (Inhalation): 0.5 mg/m<sup>3</sup>, See Appendix C (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 7. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 1 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 8. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3)

PEL (Inhalation): 0.5 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 9. Chromium metal and insol. salts (as Cr) (CAS: 7440-47-3)

REL (Inhalation): 0.5 mg/m<sup>3</sup>, See Appendix C (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 8.2 Appropriate engineering controls

General industrial hygiene practice.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Pictograms



#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Wear chemical resistant gloves and clothing.

#### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

#### Thermal hazards

not established

#### Environmental exposure controls

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not established

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### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

|   |                 |
|---|-----------------|
| Appearance/form (physical state, color, etc.) | Green Liquid    |
| Odor  | None            |
| Odor threshold                                | not established |
| pH  | 4               |
| Melting point/freezing point                  | not established |
| Initial boiling point and boiling range       | not established |
| Flash point                                   | not established |
| Evaporation rate                              | not established |
| Flammability (solid, gas)                     | not established |
| Upper/lower flammability limits               | not established |
| Vapor pressure                                | not established |
| Vapor density                                 | not established |
| Relative density                              | not established |
| Solubility(ies)                               | Water           |
| Partition coefficient: n-octanol/water        | not established |
| Auto-ignition temperature                     | not established |
| Decomposition temperature                     | not established |
| Viscosity                                     | not established |
| Explosive properties                          | not established |
| Oxidizing properties                          | not established |

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Not reactive

#### 10.2 Chemical stability

Stable

#### 10.3 Possibility of hazardous reactions

not established

#### 10.4 Conditions to avoid

not established

#### 10.5 Incompatible materials

not established

#### 10.6 Hazardous decomposition products

not established

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

LD50: 4,400 mg/kg (rat)

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## Green AEN Dye

### **Skin corrosion/irritation**

not established

### **Serious eye damage/irritation**

not established

### **Respiratory or skin sensitization**

not established

### **Germ cell mutagenicity**

not established

### **Carcinogenicity**

not established

### **Reproductive toxicity**

not established

### **STOT-single exposure**

not established

### **STOT-repeated exposure**

not established

### **Aspiration hazard**

not established

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## **SECTION 12: Ecological information**

### **Toxicity**

not established

### **Persistence and degradability**

not established

### **Bioaccumulative potential**

not established

### **Mobility in soil**

not established

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## **SECTION 13: Disposal considerations**

### **Disposal of the product**

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

### **Disposal of contaminated packaging**

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

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## **SECTION 14: Transport information**

### **DOT (US)**

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Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### Massachusetts Right To Know Components

Chemical name: Chromium

CAS number: 7440-47-3

#### New Jersey Right To Know Components

Common name: CHROMIUM

CAS number: 7440-47-3

#### Pennsylvania Right To Know Components

Chemical name: Chromium

CAS number: 7440-47-3

#### HMIS Rating

| Green AEN Dye       |   |
|---------------------|---|
| HEALTH              | 0 |
| FLAMMABILITY        | 1 |
| PHYSICAL HAZARD     | 0 |
| PERSONAL PROTECTION | G |

#### NFPA Rating



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## SECTION 16: Other information

### 16.1 Further information/disclaimer

DISCLAIMER: 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, express 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 information for their particular purposes. In no event shall Caswell Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Caswell Inc has been advised of the possibility of such damages.