

## 1. Identification

**Product identifier** 830-2501 CAL-TINT®II EXTERIOR LIGHT YELLOW

**Other means of identification**

**SAP Specification** 000000139800

**Recommended use** Aqueous colorant

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company** Chromaflo Technologies Corporation  
2600 Michigan Avenue  
Ashtabula, OH 44005-0816  
USA

**Telephone** 440-997-5137

**Telefax** 440-992-3613

**US: CHEMTREC** 800-424-9300

**EMERGENCY NUMBER**

**CANADA: CANUTEC** 613-996-6666

**EMERGENCY NUMBER**

**Product Regulatory Services** 440-536-9691

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Carcinogenicity Category 2

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Suspected of causing cancer.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If exposed or concerned: Get medical advice/attention.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

## 3. Hazardous components

**Mixtures**

| Chemical name                    | Common name and synonyms | CAS number | %        |
|----------------------------------|--------------------------|------------|----------|
| ethanediol; ethylene glycol      |                          | 107-21-1   | 20 - 40  |
| Talc, Magnesium silicate hydrate |                          | 14807-96-6 | 20 - 40  |
| Diethylene glycol                |                          | 111-46-6   | 2.5 - 10 |

| Chemical name                            | Common name and synonyms | CAS number | %       |
|--|--------------------------|------------|---------|
| TRIBUTYL PHOSPHATE                       |                          | 126-73-8   | 1 - 2.5 |
| Other components below reportable levels |                          |            | 40 - 60 |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

|  |   |
|--|---|
| Inhalation   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| Skin contact   | Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| Eye contact  | Rinse with water. Get medical attention if irritation develops and persists.  |
| Ingestion  | Rinse mouth. Get medical attention if symptoms occur.   |
| Most important symptoms/effects, acute and delayed                     | Direct contact with eyes may cause temporary irritation.  |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| General information  | IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

#### 5. Fire-fighting measures

|   |   |
|---|---|
| Suitable extinguishing media                                  | Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).                 |
| Unsuitable extinguishing media                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| Specific hazards arising from the chemical                    | During fire, gases hazardous to health may be formed.   |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire-fighting equipment/instructions                          | Move containers from fire area if you can do so without risk.                                 |
| Specific methods  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| General fire hazards  | No unusual fire or explosion hazards noted.   |

#### 6. Accidental release measures

|   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| Methods and materials for containment and cleaning up               | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| Environmental precautions   | Avoid discharge into drains, water courses or onto the ground.  |

#### 7. Handling and storage

|  |  |
|--|--|
| Precautions for safe handling                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).   |

#### 8. Exposure controls/personal protection

##### Occupational exposure limits

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                           | Type | Value   |
|--------------------------------------|------|---------|
| TRIBUTYL PHOSPHATE<br>(CAS 126-73-8) | PEL  | 5 mg/m3 |

**US. OSHA Table Z-3 (29 CFR 1910.1000)**

| Components  | Type | Value   | Form        |
|---|------|---|-------------|
| Talc, Magnesium silicate hydrate (CAS 14807-96-6) | TWA  | 0.3 mg/m <sup>3</sup>                               | Total dust. |
|   |      | 0.1 mg/m <sup>3</sup>                               | Respirable. |
|   |      | 20 millions of particle<br>2.4 millions of particle | Respirable. |

**US. ACGIH Threshold Limit Values**

| Components  | Type    | Value                 | Form                          |
|---|---------|-----------------------|-------------------------------|
| ethanediol; ethylene glycol (CAS 107-21-1)        | Ceiling | 100 mg/m <sup>3</sup> | Aerosol.                      |
| Talc, Magnesium silicate hydrate (CAS 14807-96-6) | TWA     | 2 mg/m <sup>3</sup>   | Respirable fraction.          |
| TRIBUTYL PHOSPHATE (CAS 126-73-8)                 | TWA     | 5 mg/m <sup>3</sup>   | Inhalable fraction and vapor. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components  | Type | Value                 | Form        |
|---|------|-----------------------|-------------|
| Talc, Magnesium silicate hydrate (CAS 14807-96-6) | TWA  | 2 mg/m <sup>3</sup>   | Respirable. |
| TRIBUTYL PHOSPHATE (CAS 126-73-8)                 | TWA  | 2.5 mg/m <sup>3</sup> |             |
|   |      | 0.2 ppm               |             |

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

Occupational Exposure Limits are not relevant to the current physical form of the product.

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Wear protective gloves.

**Other**

Wear appropriate chemical resistant clothing.

**Respiratory protection**

Use personal protective equipment as required. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to vapor/mist at levels exceeding the exposure limits.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance****Physical state**

Liquid.

**Form**

Liquid. Paste.

**Color**

Yellow

**Odor**

Glycol odor.

**Odor threshold**

Not available.

**pH**

8 - 9

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

> 212 °F (> 100 °C)

391.5 °F (199.72 °C) estimated

**Flash point**

272.3 °F (133.5 °C) estimated

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not available.

## Upper/lower flammability or explosive limits

|                                |                |
|--------------------------------|----------------|
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%)    | Not available. |
| Explosive limit - upper (%)    | Not available. |

Vapor pressure Not available.

Vapor density Not available.

Relative density 1.4

## Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 75 - 95 KU

Viscosity temperature 77 °F (25 °C)

## Other information

Flammability class Combustible III B estimated

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

**Ingestion** Expected to be a low ingestion hazard.

**Inhalation** No adverse effects due to inhalation are expected.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

| Product  | Species | Test Results                    |
|--|---------|---------------------------------|
| 830-2501 CAL-TINT®II EXTERIOR LIGHT YELLOW (CAS Mixture) |         |                                 |
| <b>Acute</b>   |         |                                 |
| <i>Dermal</i>  |         |                                 |
| LD50   | Rabbit  | 28603.1836 mg/kg estimated      |
| <i>Inhalation</i>  |         |                                 |
| LC50   | Cat     | 22700 mg/l, 4 Hours estimated   |
|  | Mouse   | 16560 mg/l, 4 Hours estimated   |
|  |         | 16000 mg/l, 2 Hours estimated   |
|  | Rat     | 32800 mg/l, 0.5 Hours estimated |
|  |         | 19200 mg/l, 4 Hours estimated   |
|  |         | 12300 mg/l, 6 Hours estimated   |
| <i>Oral</i>  |         |                                 |
| LD50   | Cat     | 5879.8374 mg/kg estimated       |

| Product      | Species    | Test Results               |
|--------------|------------|----------------------------|
|              | Dog        | 18823.2129 mg/kg estimated |
|              | Guinea pig | 32.8736 g/kg estimated     |
|              | Mouse      | 45.9271 g/kg estimated     |
|              | Rabbit     | 320.1655 g/kg estimated    |
|              | Rat        | 21.4847 g/kg estimated     |
| <i>Other</i> |            |                            |
| LD50         | Mouse      | 14850.4824 mg/kg estimated |
|              | Rabbit     | 31965.0508 mg/kg estimated |
|              | Rat        | 4971.2427 mg/kg estimated  |
| Components   | Species    | Test Results               |

ethanediol; ethylene glycol (CAS 107-21-1)

**Acute**

*Dermal*

LD50 Rabbit 9530 mg/kg

*Oral*

LD50 Cat 1650 mg/kg  
 Dog 5500 mg/kg  
 Guinea pig 8.2 g/kg  
 Mouse 14.6 g/kg  
 Rat 5.89 g/kg

*Other*

LD50 Mouse 5.8 g/kg  
 Rat 2800 mg/kg

TRIBUTYL PHOSPHATE (CAS 126-73-8)

**Acute**

*Dermal*

LD50 Rabbit > 3100 mg/kg

*Inhalation*

LC50 Cat 227 mg/l, 4 Hours  
 Rat 123 mg/l, 6 Hours

*Oral*

LD50 Hen 1863 mg/kg  
 Mouse 1189 mg/kg  
 Rat 3 g/kg

*Other*

LD50 Mouse 158.5 mg/kg  
 Rat 100 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not available.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Talc, Magnesium silicate hydrate (CAS 14807-96-6) 2B Possibly carcinogenic to humans.  
 3 Not classifiable as to carcinogenicity to humans.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not available.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product  | Species |   | Test Results                       |
|--|---------|---|------------------------------------|
| 830-2501 CAL-TINT@II EXTERIOR LIGHT YELLOW (CAS Mixture) |         |   |                                    |
| Crustacea  | EC50    | Daphnia                                       | 3367.1985 mg/l, 48 hours estimated |
| Fish   | LC50    | Fish  | 752.6396 mg/l, 96 hours estimated  |
| Components   | Species |   | Test Results                       |
| ethanediol; ethylene glycol (CAS 107-21-1)               |         |   |                                    |
| <b>Aquatic</b>   |         |   |                                    |
| Fish   | LC50    | Fathead minnow ( <i>Pimephales promelas</i> ) | 8050 mg/l, 96 hours                |
| TRIBUTYL PHOSPHATE (CAS 126-73-8)                        |         |   |                                    |
| <b>Aquatic</b>   |         |   |                                    |
| Fish   | LC50    | Fathead minnow ( <i>Pimephales promelas</i> ) | 1 - 10 mg/l, 96 hours              |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**  
ethanediol; ethylene glycol -1.36

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

**DOT**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ethanediol; ethylene glycol (CAS 107-21-1) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - No  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

| Chemical name | CAS number | Reportable quantity | Threshold planning quantity | Threshold planning quantity, lower value | Threshold planning quantity, upper value |
|---------------|------------|---------------------|-----------------------------|--|--|
| formaldehyde  | 50-00-0    | 100                 | 500 lbs                     |  |  |

**SARA 311/312 Hazardous chemical**  
 No

**SARA 313 (TRI reporting)**

| Chemical name               | CAS number | % by wt. |
|-----------------------------|------------|----------|
| ethanediol; ethylene glycol | 107-21-1   | 20 - 40  |
| isopropanol                 | 67-63-0    | 0.1 - 1  |
| formaldehyde                | 50-00-0    | 0 - 0.1  |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

ethanediol; ethylene glycol (CAS 107-21-1)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**  
 Not regulated.

**US state regulations****US. Massachusetts RTK - Substance List**

ethanediol; ethylene glycol (CAS 107-21-1)  
 Talc, Magnesium silicate hydrate (CAS 14807-96-6)  
 TRIBUTYL PHOSPHATE (CAS 126-73-8)

**US. New Jersey Worker and Community Right-to-Know Act**

ethanediol; ethylene glycol (CAS 107-21-1) 500 lbs

**US. Pennsylvania RTK - Hazardous Substances**

ethanediol; ethylene glycol (CAS 107-21-1)  
 Talc, Magnesium silicate hydrate (CAS 14807-96-6)  
 TRIBUTYL PHOSPHATE (CAS 126-73-8)

**US. Rhode Island RTK**

ethanediol; ethylene glycol (CAS 107-21-1)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

formaldehyde (CAS 50-00-0) Listed: January 1, 1988  
 Silica, crystalline (quartz) (CAS 14808-60-7) Listed: October 1, 1988

**International Inventories**

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada               | Domestic Substances List (DSL)   | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | No                     |
| Korea                       | Existing Chemicals List (ECL)                                     | No                     |
| New Zealand                 | New Zealand Inventory   | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 05-16-2015

**Version #** 01

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Composition / Information on Ingredients: Disclosure Overrides  
Physical & Chemical Properties: Multiple Properties