



# SAFETY DATA SHEET

Issue Date 28-May-2015

Revision Date 22-Jun-2015

Version 2

DSL

Pro-Dye

## 1. IDENTIFICATION

### Product identifier

**Product Name** Pro-Dye

### Other means of identification

**Product Code** DSL

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

**Recommended Use** Restricted to professional users.

**Uses advised against** Consumer use

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

#### **Supplier Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL 62702

#### **Manufacturer Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL 62702

**Company Phone Number** 800-624-0261 (US & Canada); 217-522-3112 (Outside North America)

**24 Hour Emergency Phone Number** 800-373-7542

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |            |
|--|------------|
| Serious eye damage/eye irritation                | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |

### Label elements

#### **Emergency Overview**

#### **Warning**

#### **Hazard statements**

Causes serious eye irritation  
May cause drowsiness or dizziness



**Appearance** Milky

**Physical state** Liquid

**Odor** Characteristic

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name      | CAS No.     | Weight-% | Trade Secret |
|--------------------|-------------|----------|--------------|
| Proprietary Blend  | Proprietary | 50 - 80  | *            |
| Glycol Ether       | Proprietary | 10-40    | *            |
| Glycol Ether       | Proprietary | 1 - 20   | *            |
| Glycol Ether       | Proprietary | 1 - 20   | *            |
| Chromium (III) Dye | Proprietary | 1 - 5    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Description of first aid measures**

**General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact**

Wash skin with soap and water.

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. (Get medical attention immediately if symptoms occur.) |
| <b>Ingestion</b>  | Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting.   |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

CO2, dry chemical, dry sand, alcohol-resistant foam.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Guidelines**

| Chemical Name      | ACGIH TLV                           | OSHA PEL   | NIOSH IDLH  |
|--------------------|-------------------------------------|--|---|
| Glycol Ether       | STEL: 100 ppm<br>TWA: 50 ppm        | (vacated) TWA: 100 ppm<br>(vacated) TWA: 360 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 540 mg/m <sup>3</sup>   | TWA: 100 ppm<br>TWA: 360 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 540 mg/m <sup>3</sup>                  |
| Glycol Ether       | STEL: 150 ppm<br>TWA: 100 ppm<br>S* | TWA: 100 ppm<br>TWA: 600 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 600 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 900 mg/m <sup>3</sup><br>(vacated) S*<br>S* | IDLH: 600 ppm<br>TWA: 100 ppm<br>TWA: 600 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 900 mg/m <sup>3</sup> |
| Chromium (III) Dye | TWA: 0.5 mg/m <sup>3</sup>          | TWA: 1 mg/m <sup>3</sup><br>(vacated) TWA: 1 mg/m <sup>3</sup>   | IDLH: 250 mg/m <sup>3</sup><br>TWA: 0.5 mg/m <sup>3</sup>   |

*NIOSH IDLH Immediately Dangerous to Life or Health*

#### **Other Information**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

#### **Appropriate engineering controls**

##### **Engineering Controls**

Showers  
Eyewash stations  
Ventilation systems.

#### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

##### **Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

##### **Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### **General Hygiene Considerations**

Avoid contact with eyes, skin and clothing. Avoid breathing (dust, vapor, mist, gas). Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **Information on basic physical and chemical properties**

**Physical state**  
**Appearance**  
**Color**

Liquid  
Milky  
White

**Odor**  
**Odor threshold**

Characteristic  
No information available

**Property**  
**pH**

**Values**  
No information available

**Melting point/freezing point**

No information available

**Boiling point / boiling range**

>98 °C / 200 °F

**Flash point**

>93.3 °C / >200 °F

**Evaporation rate**

No information available

**Flammability (solid, gas)**

No information available

**Flammability Limit in Air**

**Remarks • Method**

ASTM D86  
ASTM D56

|                                     |                          |
|-------------------------------------|--------------------------|
| <b>Upper flammability limit:</b>    | No information available |
| <b>Lower flammability limit:</b>    | No information available |
| <b>Vapor pressure</b>               | No information available |
| <b>Vapor density</b>                | No information available |
| <b>Specific Gravity</b>             | 1.01 - 1.05              |
| <b>Water solubility</b>             | No information available |
| <b>Solubility in other solvents</b> | No information available |
| <b>Partition coefficient</b>        | No information available |
| <b>Autoignition temperature</b>     | No information available |
| <b>Decomposition temperature</b>    | No information available |
| <b>Kinematic viscosity</b>          | No information available |
| <b>Dynamic viscosity</b>            | No information available |
| <b>Explosive properties</b>         | No information available |
| <b>Oxidizing properties</b>         | No information available |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | < 100 g/L                |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                            |                    |
|----------------------------|--------------------|
| <b>Product Information</b> | No data available  |
| <b>Inhalation</b>          | No data available. |
| <b>Eye contact</b>         | No data available. |
| <b>Skin Contact</b>        | No data available. |
| <b>Ingestion</b>           | No data available. |

| Chemical Name     | Oral LD50             | Dermal LD50             | Inhalation LC50         |
|-------------------|-----------------------|-------------------------|-------------------------|
| Proprietary Blend | = 29000 mg/kg ( Rat ) | > 20 mL/kg ( Rabbit )   | -                       |
| Glycol Ether      | = 4400 mg/kg ( Rat )  | = 8100 mg/kg ( Rabbit ) | > 10000 ppm ( Rat ) 4 h |
| Glycol Ether      | = 5200 mg/kg ( Rat )  | = 13 g/kg ( Rabbit )    | = 54.6 mg/L ( Rat ) 4 h |
| Glycol Ether      | = 5230 mg/kg ( Rat )  | = 9500 mg/kg ( Rabbit ) | -                       |

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name      | ACGIH | IARC    | NTP | OSHA |
|--------------------|-------|---------|-----|------|
| Chromium (III) Dye | -     | Group 3 | -   | -    |

*IARC (International Agency for Research on Cancer)*

*Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target Organ Effects** Central nervous system, Eyes, Respiratory system, Skin.

**Aspiration hazard** No information available.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |             |
|--------------------------------------|-------------|
| <b>ATEmix (oral)</b>                 | 8724 mg/kg  |
| <b>ATEmix (dermal)</b>               | 13658 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 341.2 mg/l  |
| <b>ATEmix (inhalation-vapor)</b>     | 50050 mg/l  |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

25% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name     | Algae/aquatic plants                               | Fish  | Crustacea                                  |
|-------------------|--|---|--|
| Proprietary Blend | 500: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 1000: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 5300: 96 h <i>Leuciscus idus</i> mg/L LC50 static       | 500: 48 h <i>Daphnia magna</i> mg/L EC50   |
| Glycol Ether      | -  | 10000: 24 h <i>Pimephales promelas</i> mg/L LC50 static   | -  |
| Glycol Ether      | -  | 20.8: 96 h <i>Pimephales promelas</i> g/L LC50 static 4600 - 10000: 96 h <i>Leuciscus idus</i> mg/L LC50 static | 23300: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Glycol Ether      | -  | 10000: 96 h <i>Pimephales promelas</i> mg/L LC50 static   | 1919: 48 h <i>Daphnia magna</i> mg/L LC50  |

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

| Chemical Name     | Partition coefficient |
|-------------------|-----------------------|
| Proprietary Blend | 0.48                  |
| Glycol Ether      | -0.437                |
| Glycol Ether      | -0.064                |

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Do not reuse container.

| Chemical Name      | RCRA | RCRA - Basis for Listing                                      | RCRA - D Series Wastes    | RCRA - U Series Wastes |
|--------------------|------|---|---------------------------|------------------------|
| Chromium (III) Dye | -    | Included in waste streams: F032, F034, F035, F037, F038, F039 | 5.0 mg/L regulatory level | -                      |

| Chemical Name      | California Hazardous Waste Status |
|--------------------|-----------------------------------|
| Chromium (III) Dye | Toxic<br>Corrosive<br>Ignitable   |

## 14. TRANSPORT INFORMATION

|                   |               |
|-------------------|---------------|
| <u>DOT</u>        | Not regulated |
| <u>TDG</u>        | Not regulated |
| <u>MEX</u>        | Not regulated |
| <u>ICAO (air)</u> | Not regulated |
| <u>IATA</u>       | Not regulated |
| <u>IMDG</u>       | Not regulated |
| <u>RID</u>        | Not regulated |
| <u>ADR</u>        | Not regulated |
| <u>ADN</u>        | Not regulated |



## 15. REGULATORY INFORMATION

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Complies        |
| <b>DSL/NDSL</b>      | Complies        |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Complies        |
| <b>KECL</b>          | Complies        |
| <b>PICCS</b>         | Complies        |
| <b>AICS</b>          | Complies        |

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name        | SARA 313 - Threshold Values % |
|----------------------|-------------------------------|
| Glycol Ether -       | 1.0                           |
| Chromium (III) Dye - | 1.0                           |

#### SARA 311/312 Hazard Categories

|  |    |
|--|----|
| <b>Acute health hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire hazard</b>                       | No |
| <b>Sudden release of pressure hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name      | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Chromium (III) Dye | -                           | X                      | X                         | -                          |

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name      | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                 |
|--------------------|--------------------------|----------------|--|
| Chromium (III) Dye | 10 lb                    | -              | RQ 10 lb final RQ<br>RQ 4.54 kg final RQ |

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Glycol Ether  | X          | X             | X            |

|                    |   |   |   |
|--------------------|---|---|---|
| Glycol Ether       | X | X | X |
| Chromium (III) Dye | X | X | X |

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

**NFPA**                      **Reactivity** 0                      **Physical and Chemical** **HMIS**                      **Health hazards** 0  
**Flammability** 0                      **Physical hazards** 0                      **Properties** -                      **Personal protection** X

**Issue Date**    28-May-2015

**Revision Date**    22-Jun-2015

**Revision Note**

No information available

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**