SDS for Tandy Eco-flo Leather Dyes


Page 1 of 9

Safety Data Sheet

Date issued: July 1, 2015

SECTION 1. GHS PRODUCT IDENTIFIER

1.1. Name of the product: Tandy Eco-Flo Leather Dyes (all colors)

1.2. Other means of identification: #2600-all, #2601-01, #2650-05

1.3. Recommended use of the product and restrictions on use: For dyeing leather only

1.4. Details of the supplier:
   Manufacturer: Fiebing Company, Inc.
   516 South Second Street
   Milwaukee WI – 53204
   Emergency contact: CHEMTREC
   1-800-424-9300 (US/Canada)
   +01 703-527-3887 (International)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   Classification / risks
   This product is not classified as per GHS criteria

2.2. Label elements
   Pictogram: None
   Signal word: None
   Hazard Code: None
   Hazard statements: None
   Precaution: P102: Keep out of reach of children
   Prevention: P280: Wear protective gloves / eye protection
   Disposal: P501 Dispose of contents and containers in accordance with all local, Regional, National and International regulations.
   Additional Hazards: Not applicable.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Mixtures
   Classification:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS#</th>
<th>EINECS#</th>
<th>Class</th>
<th>REACH Registration Number</th>
<th>Wt%</th>
<th>OSHA-PEL/ACGIH-TLV / Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy) ethanol</td>
<td>111-90-0</td>
<td>203-919-7</td>
<td>Flam. Liq. 4 H 227</td>
<td>01-2119475105-</td>
<td>1 - 5</td>
<td>TWA 25 ppm (WEEL)</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

**Eye:** In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

**Skin:** If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists. Take off contaminated / soaked clothes and remove it to a safe place.

**Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

**Inhalation:** If breathing is difficult, remove the victim to fresh air and keep at rest in a Position comfortable for breathing. Get medical advice/attention if you feel Unwell.

4.2. Most important symptoms and effects, both acute and delayed: Not determined.

**Eye:** Causes eye irritation. Symptoms may include discomfort, redness, blinking and tear production.

**Skin:** May cause mild skin irritation. Symptoms may include redness and drying of the Skin.

**Inhalation:** Repeated exposure may cause respiratory tract irritation.

**Ingestion:** May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed:

**Note to physicians:** symptomatical treatment. However, symptoms may not appear
immediately. If medical advice is needed, have product container or label at hand.

SECTION 5.   Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide, dry powder, foam; water spray or water fog.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Products of Combustion: May include, and are not limited to oxides of carbon.

5.3. Advice for firefighters:
Proceed in accordance with procedures applicable for extinguishing chemical fire. Keep containers cool with water spray from a safe distance, and if possible remove them from the endangered area. Keep upwind of the fire. Wear full fire fighting turn-out gear and respiratory protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Use individual protection measures – see section 8 of the Safety Data Sheet. Limit the access of bystanders to the endangered area until proper cleaning operations are finished. In the case of great leakage isolate the endangered area. Ensure that breakdown and its results are eliminated by a properly trained staff only. Avoid contact with the eyes, skin and clothes. Do not inhale vapors or mist. If release occurred in closed area, ensure adequate ventilation.

6.2. Environmental precautions
If it is possible and safe, stop or limit product release. Limit spreading of the great leakages by embanking the area. Prevent the product from penetrating drains, waters or soil. Notify respective authorities (occupational safety and hygiene, emergency brigades, environmental brigades and organs of administration).

6.3. Methods and material for containment and cleaning up
Cover up small spillage with non-flammable, neutral absorbent material (sand, soil, diatomic earth, vermiculite) and collect in an appropriate, closed, labeled waste bin. Clean the contaminated area with water with detergent, and then rinse with water. Dispose off according to the applicable regulations. If necessary, obtain help from specialist companies dealing with waste transport and utilization in order to remove the product/absorbent material contaminated with the product.

6.4. Reference to other sections: See also sections 8 and 13 of the Safety Data Sheet.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling: Avoid contact with the eyes, skin and clothes. Avoid breathing vapor and fog. Keep unused containers tightly closed. Use in a ventilated area.
**General Hygiene:** Essential hygiene rules should be observed. Clean hands with soapy water after work/break in work. Do not use contaminated clothing. Immediately remove contaminated clothing and wash before reuse. Use individual protection measures in accordance with the information contained in Section 8.

**Fire and explosion prevention:** Do not smoke, eliminate possible ignition sources.

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

Storage: Store in tightly sealed and properly labeled containers, in a cool, well ventilated place and away from incompatible materials (See Section 10). Keep out of reach of children.

**7.3. Specific end use(s):** None available.

**SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT**

**8.1. Control parameters**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA-PEL / ACGIH TLV /Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy) ethanol</td>
<td>TWA 25 ppm (WEEL)</td>
</tr>
<tr>
<td>Acid Black 210</td>
<td>None established</td>
</tr>
<tr>
<td>Acid Yellow 36</td>
<td>None established</td>
</tr>
<tr>
<td>Acid Red 73</td>
<td>None established</td>
</tr>
<tr>
<td>Acid Red 14</td>
<td>None established</td>
</tr>
<tr>
<td>Acid Yellow 17</td>
<td>None established</td>
</tr>
<tr>
<td>Acid Orange 7</td>
<td>None established</td>
</tr>
<tr>
<td>Acid Black 2</td>
<td>None established</td>
</tr>
<tr>
<td>Direct Blue 86</td>
<td>None established</td>
</tr>
</tbody>
</table>

**8.2. Exposure controls**

**Appropriate engineering controls:** General ventilation and/or local fume hood in order to maintain hazardous agent concentration in air below acceptable limits. Local fume hood is preferred, since it enables emission control at source and prevents spreading throughout the working area.

**Personal protective equipment:**

Eye / face protection: Tight safety eyeglasses (goggles) in the case of prolonged exposure or the risk of liquid splashing to the eye. It is recommended to equip the workplace with a water shower to flush eyes.

Skin protection: Wear impermeable gloves (e.g. perbutane, viton, butyl rubber). It is recommended to change gloves regularly and replace them immediately if any signs of wear or damage (tearing, puncture) or changes in appearance (colour, flexibility, shape) occur. Wear protective apron or protective suit made of coated, oil-resistant, anti-slippery shoes.

Respiratory protection: Not required under normal conditions of use. In the case of exceeding the acceptable limits or inadequate ventilation use the approved respirator equipped with a suitable filter or filter-absorber. For activities in the circumstances, in which the mask does not provide adequate protection, use self-contained breathing apparatus.
**Thermal hazards:** Not applicable

**Environmental exposure controls:** Consider using precautionary measures in order to protect the area around storage tanks.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

- **a)** Appearance: Thin liquid
- **b)** Odor: Faint characteristic
- **c)** Odor threshold: No data available
- **d)** pH: 6.5 – 8.5
- **e)** Melting point: Not applicable
  - Freezing point: < 0°C
- **f)** Initial boiling point: 100 Deg.C
  - Boiling range: Not available
- **g)** Flash point: > 93°C
- **h)** Evaporation rate: No data available
- **i)** Flammability: Not Flammable
- **j)** Upper/lower flammability limit or explosive limits: No data available
- **k)** Vapor pressure: No data available
- **l)** Vapor density: No data available
- **m)** Relative density: 0.98 – 1.01 g/cm³ at 15°C
- **n)** Solubility: Dispersible in water, alcohol
- **o)** Partition coefficient n-octanol/ water: No data available
- **p)** Auto-ignition point: Not applicable
- **q)** Decomposition temperature: No data available
- **r)** Viscosity: 5 – 25 cps (LVDE #1 @ 100 RPM)
- **s)** Explosive properties: Not applicable
- **t)** Oxidizing properties: Not available

#### 9.2. Other information

No data available

### SECTION 10. STABILITY AND REACTIVITY

#### 10.1. Reactivity

No dangerous reaction known under conditions of normal use

#### 10.2. Chemical stability

The substance is stable under normal ambient conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use

#### 10.4. Conditions to avoid:

High temperature, incompatible materials.

#### 10.5. Incompatible materials

Strong oxidizers

#### 10.6. Hazardous decomposition products

May include and are not limited to: oxides of carbon
SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

**Likely routes of exposure:** Eye, skin, ingestion

**Acute health effects:**

**Eye:** Causes eye irritation. Symptoms may include discomfort, redness, blinking and tear production.

**Skin:** May cause mild skin irritation. Symptoms may include redness and drying of the skin.

**Inhalation:** Repeated exposure may cause respiratory tract irritation.

**Ingestion:** May cause stomach distress, nausea or vomiting.

**Acute toxicity:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD 50</th>
<th>LC 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy) ethanol</td>
<td>Oral: 10,502 mg/kg rat</td>
<td>Inhalation: 4 h &gt; 50 mg/L  rat</td>
</tr>
<tr>
<td></td>
<td>Dermal: 9,143 mg/kg rabbit</td>
<td></td>
</tr>
<tr>
<td>Acid Black 210</td>
<td>Oral: 5,000 mg/kg rat</td>
<td>Not available</td>
</tr>
<tr>
<td>Acid Yellow 36</td>
<td>Oral: &gt; 5,000 mg/kg rat</td>
<td>Not available</td>
</tr>
<tr>
<td>Acid Red 73</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Acid Red 14</td>
<td>Oral: 10,000 mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>Acid Yellow 17</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Acid orange 7</td>
<td>10,000 mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>Acid Black 2</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Direct Blue 86</td>
<td>&gt; 5000 mg/kg</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Up to 4.5% of the mixture consists of ingredient(s) of unknown toxicity

**Skin corrosion/irritation:**

Classification criteria have not been met based on the available data.

**Serious eye damage/irritation:**

Causes eye irritation

**Respiratory or skin sensitization:**

Classification criteria have not been met based on the available data.

**Germ cell mutagenicity:**

Classification criteria have not been met based on the available data.

**Carcinogenicity:** This product is not classified as carcinogen

**Reproductive toxicity:**

Developmental: This product does not contain known reproductive or developmental toxins.

**STOT – single exposure:**
Classification criteria have not been met based on the available data.

**STOT – repeated exposure:**
Classification criteria have not been met based on the available data.

**Aspiration hazard:**
Classification criteria have not been met based on the available data.

### SECTION 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity:

**Acute/Chronic toxicity:** Not considered to be harmful to aquatic life

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA-PEL / ACGIH TLV /Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy) ethanol</td>
<td>96 h LC-50 bluegill sunfish &gt; 10000 mg/l</td>
</tr>
<tr>
<td></td>
<td>96 h LC-50 tidewater silverside &gt; 10000 mg/l</td>
</tr>
<tr>
<td></td>
<td>24 h LC-50 goldfish &gt; 5000 mg/l</td>
</tr>
<tr>
<td>Acid Black 210</td>
<td>96 h LC-50 golden orite &gt; 100 mg/L</td>
</tr>
<tr>
<td>Acid Yellow 36</td>
<td>No data available</td>
</tr>
<tr>
<td>Acid Red 73</td>
<td>No data available</td>
</tr>
<tr>
<td>Acid Red 14</td>
<td>No data available</td>
</tr>
<tr>
<td>Acid Yellow 17</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Contains up to 5% of components with unknown hazard to the aquatic life

#### 12.2. Persistence and degradability
Not available

#### 12.3. Bioaccumulative potential
Not available

#### 12.4. Mobility in soil
Not available

#### 12.5. Results of PBT and vPvB assessment
According to Annex XIII, the substance does not meet PBT or vPvB criteria.

#### 12.6. Other adverse effects
Not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

**Disposal method:** This material must be disposed of in accordance with all local, state, provincial and federal regulations. The generation of waste should be avoided and minimized wherever possible.

**Other disposal recommendations:** Not available

### SECTION 14. TRANSPORT INFORMATION

The substance is not a subject to transport regulations on hazardous goods included in ADR (road transport), RID (rail transport), IMDG (marine transport) and ICAO/IATA (air transport).

**US DOT:** Not regulated

#### 14.1. UN number
Not applicable

#### 14.2. UN Proper shipping name
Not applicable

#### 14.3. Transport hazard class(es)
Not applicable

#### 14.4. Packing group
Not applicable

#### 14.5. Environmental hazards
Not applicable

#### 14.6. Special precautions for users
Do not handle until safety precautions have been read and understood.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

SECTION 15. REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This Safety Data Sheet classification and labeling have been determined according to Regulations: (EC) No. 1907/2006 (REACH), 1272/2008 (CLP) and OSHA final rule 77 Fed.Reg.17574.
Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by Controlled Products Regulations.
TSCA (USA): In compliance
SARA Title III (USA)
- Section 302: None listed
- Section 304: None listed
- Section 313: Diethylene glycol monoethyl ether (Glycol Ethers Category) - up to 5% by weight

CA Proposition 65 (USA) chemicals: None
CARB VOC compliance (USA): Compliant to the 15% VOC rule for liquids.
Global Inventories(DSL): 2-(2-ethoxyethoxy) ethanol

NFPA (USA):
- Health: 1 (Slight)
- Fire: 1 (Slight)
- Reactivity: 0 (Minimal)

15.2: Chemical safety assessment
A chemical safety assessment has not been carried out for this product.

SECTION 16. OTHER INFORMATION
Date of preparation: May 27, 2013
Version: 1.0
Revision date: July 1, 2015
Revised changes: H and P phrases

Classification for the mixtures were derived using GHS Classification criteria.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classified</td>
<td>GHS</td>
</tr>
</tbody>
</table>

Relevant H and P phrases:

P102: Keep out of reach of children
P280: Wear protective gloves / eye protection
P501 Dispose of contents and containers in accordance with all local, regional, national and international regulations.

Abbreviations and acronyms in the Safety Data Sheet
CAS No. Chemical Abstracts Service Number
EINECS No. European Commission Number
REACH No. Registration, Evaluation, Authorization and Restriction of Chemicals Number
TLV-TWA Threshold Limit Value
TLV-STEL Threshold Limit Value, Short Term Exposure Limit
TLV-C Ceiling exposure limit

vPvB very Persistent, very Bioaccumulative (substance)

PBT Persistent, bioaccumulative, and toxic (substance)

LD₅₀ Dose that will kill 50% of the test animals

LC₅₀ Concentration that will kill 50% of the test animals

STOT Specific Target Organ Toxicity

RID Regulations Concerning the International Carriage of Dangerous Goods by Rail

ADR Agreement on Dangerous Goods by Road

IMDG International Maritime Transport of Dangerous Goods

IATA International Air Transport Association

The list of applicable phrases or precautionary statements not specified in whole in sections 2-15 of the Safety Data Sheet.

None.

Advice on training for employees:

Employees who use the product should be trained on risks for health, hygiene, use of individual protection, accident preventive actions, rescue actions, etc.

Disclaimer: This SDS is not a quality certificate for the product. All data presented in this sheet are to be taken only as a help in safe handling in transport, distribution, use and storage. Persons handling the product should be informed about risks and precautionary measures. Information in the Safety Data Sheet relates to the above mentioned products and their specified uses only. They may be obsolete or insufficient for this product used in conjunction with other materials or in different applications than those specified in the Safety Data Sheet. The user is obliged to follow all applicable standards and regulations and is also responsible for inappropriate use of information contained in this sheet or for an inappropriate use of the product. In the case of special applications evaluate exposure and develop the appropriate procedure and training programs in order to ensure safety at work.