

SDS – Tandy Eco-flo Leather Dyes

Conforms to Regulations: (EC) No. 1907/2006(REACH), 1272/2008(CLP) and OSHA final rule 77 Fed.Reg.17574

## Safety Data Sheet

Date issued: August 20, 2018

### 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  
 Response: P362: Take off contaminated clothing and wash before reuse.  
 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:

Ingredient	CAS#	EINECS#	Class	REACH Reg. #	Wt%
Propanol, 1(or 2)-(2-methoxymethylethoxy)	34590-94-8	252-104-2	Flam. Liq. 4 H 227	Not available	7 - 11
Acid Black 210	99576-15-5	Not available	Not classified	Not available	0.5 – 3.0
Acid Yellow 36	587-98-4	209-608-2	Not classified	Not available	1 – 3

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Acid Red 73	5413-75-2	226-502-1	Not classified	Not available	2 - 5
Acid Red 14	3567-69-9	222-657-4	Not classified	Not available	0.3 – 3.0
Acid Yellow 17	6359-98-4	228-819-0	Not classified	Not available	1.5 – 4.5
Acid Orange 7	633-96-5	211-199-0	Not classified	Not available	1 – 2
Acid Black 2	8005-03-6	309-930-4	Not classified	Not available	0.5 – 1.5
Direct Blue 86	1330-38-7	215-537-8	Not classified	Not available	1 – 2
Deionized water	7732-18-5	215-185-5	Not applicable	Not available	90 – 98

**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:** symptomatic 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 vapours 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

Ingredient	OSHA-PEL / ACGIH TLV /Others
Propanol, 1(or 2)-(2-methoxymethylethoxy)	OSHA-PEL: TWA600 mg/m <sup>3</sup> (100 ppm) ACGIH-TLV: STEL: 600 mg/m <sup>3</sup> (100 ppm) OSHA STEL: 900 mg/m <sup>3</sup> (150 ppm)
Acid Black 210	None established
Acid Yellow 36	None established
Acid Red 73	None established
Acid Red 14	None established
Acid Yellow 17	None established
Acid Orange 7	None established
Acid Black 2	None established
Direct Blue 86	None established

### INTERNATIONAL:

Occupational exposure limits (OEL) for DPGME are listed below for several countries.

Exposure Limit (Country) (mg/m<sup>3</sup>) (ppm)

OEL (FIN) 300mg/m<sup>3</sup> 50 ppm

MAC (NL) 300 mg/m<sup>3</sup> 50 ppm

VME (FRA) 600 mg/m<sup>3</sup> 100 ppm

DPGME's theoretical potential dermal doses for a worker ranged from 0.48 to 23 mg/kg-day.

### 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, various colors
- 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: No flash up to 100°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/cm<sup>3</sup> 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
- u) Total VOC: (LVP only) 0.8 lbs/Gal (96 g/l)

### **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:**

Ingredient	LD 50	LC 50 / LOAEL
Propanol, 1(or 2)-(2-methoxymethylethoxy)	5400 mg/kg (oral, rat) 9500 mg/kg (dermal, rat)	LOAEL: 500 ppm (rat)
Acid Black 210	Oral: 5,000 mg/kg rat	Not available
Acid Yellow 36	Oral: > 5,000 mg/kg rat	Not available
Acid Red 73	Not available	Not available
Acid Red 14	Oral: 10,000 mg/kg	Not available
Acid Yellow 17	Not available	Not available
Acid orange 7	10,000 mg/kg	Not available
Acid Black 2	Not available	Not available
Direct Blue 86	> 5000 mg/kg	Not available

**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.

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**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:**

Ingredient	LC 50 / EC 50
Propanol, 1(or 2)-(2-methoxymethylethoxy)	Aquatic vertebrate LC 50 - Pimephales promelas (fathead minnow): 10000 mg/l 96 H Aquatic invertebrate EC 50 – Daphnia magna (water flea): 1919 mg/l 48 H
Acid Black 210	96 h LC-50 golden orite > 100 mg/L
Acid Yellow 36	No data available
Acid Red 73	No data available
Acid Red 14	No data available
Acid Yellow 17	No data available

**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: Dipropylene glycol methyl ether (Glycol Ethers Category) - up to 9.6% by weight

CA Proposition 65 (USA) chemicals: None

CARB VOC compliance (USA): Compliant to the 15% VOC rule for liquids.

Global Inventories(DSL): Propanol, 1(or 2)-(2-methoxymethylethoxy)

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:** December 17, 2015

**Revised changes:** Reformulation

**Classification for the mixtures were derived using GHS Classification criteria.**

<b>Classification</b>	<b>Classification procedure</b>
Not classified	GHS

**Relevant H and P phrases:**

P102: Keep out of reach of children

P280: Wear protective gloves / eye protection

P362: Take off contaminated clothing and wash before reuse.

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)



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LD<sub>50</sub> Dose that will kill 50% of the test animals

LC<sub>50</sub> Concentration that will kill 50% of the test animals

STOT Specific Target Organ Toxicity

DOT Department of Transportation

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.