

1. Identification

| | |
|------------------------------------|--|
| Product Information. | SFB-254 |
| Product Name: | Fresh Color Orange Base |
| Recommended Use. | Ink Base |
| Uses advised against. | No information available |
| Supplier. | DayGlo Color Corp. 4515 St. Clair Avenue Cleveland, OH 44102 (216) 391-7070 +1 216-391-7070 (outside the US) |
| Emergency telephone number. | Chemtrec: +1-800-424-9300 USA Chemtrec: +1 703-527-3887 ex-USA 24 hrs./day, 7 days/week |

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200

Reproductive Toxicity, category 2

GHS Pictograms



Signal Word

Warning

Unknown Acute Toxicity

1.7% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

Suspected of damaging fertility or the unborn child.

Precautionary Statements - 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

Precautionary Statements - Response.

If exposed or concerned: Get medical advice/attention.

Precautionary Statements - Storage.

Store locked up.

Precautionary Statements - Disposal.

Dispose of contents in accordance with local, regional, national, international regulations.

3. Composition/Information on Ingredients

| Chemical Name | CAS-No. | Wt. % |
|--|----------------|--------------|
| 2,2,4 TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE | 6846-50-0 | 1.0-2.5 |
| C.I. Basic Red 1:1 | 3068-39-1 | 0.1-1.0 |
| C.I. BASIC VIOLET 11:1 (TETRACHLOROZINCATE) | 73398-89-7 | 0.1-1.0 |
| Butylated hydroxytoluene (BHT) | 128-37-0 | 0.1-1.0 |

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

4. First-aid Measures

Description of first-aid measures.

General advice.

No Information

Inhalation.

Move to fresh air. If symptoms persist, call a physician.

Skin contact.

Wash off immediately with plenty of water for at least 15 minutes. Consult a physician if necessary.

Eye contact.

Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

Ingestion.

Do NOT induce vomiting. Drink plenty of water. Consult a physician.

Symptoms.

See Section 2 and Section 11, Toxicological effects for description of potential symptoms. See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons.

None.

Special hazards arising from the substance or mixture.

Carbon oxides. Nitrogen oxides (NO_x).

Advice 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.

Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Ensure adequate ventilation, especially in confined areas.

Advice for emergency responders.

No Information

Environmental precautions.

Not readily biodegradable. Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Dike for later disposal; do not apply water unless directed to do so. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

Methods for cleaning up.

No Information

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

No Information

Hygiene measures.

See section 7 for more information. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions.

Keep tightly closed in a dry and cool place.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|--------------------------------|----------------------|-----------------------|---------------------|-------------------------|
| Butylated hydroxytoluene (BHT) | 2 mg/m ³ | N.E. | N.E. | N.E. |

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.

Eye/Face Protection.

Safety glasses with side-shields.

Skin and body protection.

Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

Respiratory protection.

NIOSH/MSHA approved respiratory protection should be worn if exposure is anticipated.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

| | |
|--|--------------------------|
| Physical state | Liquid |
| Appearance | Liquid |
| Color | Orange |
| Odor | Pungent |
| Odor Threshold | No Information |
| pH | No Information |
| Melting/freezing point., °C (°F) | No Information |
| Flash Point., °C (°F) | >94 (>201.20) |
| Boiling point/boiling range., °C (°F) | 94 (201.2) |
| Evaporation rate | No Information Available |
| Explosive properties. | No Information |
| Vapor pressure. | No Information |
| Vapor density. | No Information |
| Specific Gravity. (g/cm ³) | 1.130 |

| | |
|-------------------------------|--------------------|
| Water solubility. | Insoluble in water |
| Partition coefficient. | No Information |
| Autoignition temperature., °C | No Information |
| Decomposition Temperature °C. | No Information |
| Viscosity, kinematic. | No Information |

Other information.

| | |
|---|----------------|
| Volatile organic compounds (VOC) content. | 48 g/L |
| Density, lb/gal | No Information |

10. Stability and Reactivity

Reactivity.

No dangerous reaction known under conditions of normal use.

Chemical stability.

Stable.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

Incompatible Materials.

None known based on information supplied. None under normal processing.

Hazardous Decomposition Products.

None known based on information supplied.

11. Toxicological Information

Information on toxicological effects.**Acute toxicity.****Product Information**

No Information

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

| | |
|-----------------------------|-----------------|
| ATEmix (oral) | 190,930.8 mg/kg |
| ATEmix (dermal) | 119,331.8 mg/kg |
| ATEmix (inhalation - vapor) | 316.29 mg/l |

Component Information.

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>LD50 Oral</u> | <u>LD50 Dermal</u> | <u>LC50 Inhalation</u> |
|----------------|--|------------------|-----------------------|----------------------------|
| 6846-50-0 | 2,2,4 TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE | >3200 mg/kg Rat | >2000 mg/kg Rabbit | >5.3 mg/L Rat (Vapor) |
| 3068-39-1 | C.I. Basic Red 1:1 | 449 mg/kg (Rat) | 2,500 mg/kg (Rat) | 0.05 mg/l (4 hours) (Dust) |
| 73398-89-7 | C.I. BASIC VIOLET 11:1 (TETRACHLOROZINCATE) | 200 | 2001 | >0.5 mg/L (Dust) |
| 128-37-0 | Butylated hydroxytoluene (BHT) | 890 | N.I. | N.I. |

N.I. = No Information

Skin corrosion/irritation.

May cause irritation.

Eye damage/irritation.

May cause eye irritation.

Respiratory or skin sensitization.

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>IARC</u> | <u>NTP</u> | <u>OSHA</u> |
|----------------|--------------------------------|--------------|------------|-------------|
| 128-37-0 | Butylated hydroxytoluene (BHT) | IARC Group 3 | - | - |

Reproductive toxicity.

May damage fertility or the unborn child.

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information**Toxicity.**

0.82% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|--|--|---|---|
| 2,2,4 TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE 6846-50-0 | - | LC50 96 h Pimephales promelas >1.55 mg/L | EC50 48 h Daphnia magna >1.46 mg/L |
| C.I. BASIC VIOLET 11:1 (TETRACHLOROZINCATE) 73398-89-7 | LC50 72h Pseudokirchneriella subcapitata 0.041 mg/L | - | LC50 48h Daphnia magna 0.23 mg/L |
| Butylated hydroxytoluene (BHT) 128-37-0 | EC50 72 h Pseudokirchneriella subcapitata 6 mg/L, EC50 72 h Desmodesmus subspicatus >0.42 mg/L | - | - |

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>log POW</u> |
|----------------|---|----------------|
| 3068-39-1 | C.I. Basic Red 1:1 | 1.7 |
| 73398-89-7 | C.I. BASIC VIOLET 11:1 (TETRACHLOROZINCATE) | 4.2, 1 |
| 128-37-0 | Butylated hydroxytoluene (BHT) | 5.1 |

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations**Waste Disposal Guidance.**

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

14. Transport Information**DOT****Shipping Name:** Not Regulated

IMDG

Proper Shipping Name: Not Regulated

IATA

Proper Shipping Name: Not Regulated

15. Regulatory Information**International Inventories:**

| | |
|---------------|---|
| TSCA | Complies |
| DSL | Complies |
| DSL/NDL | - |
| EINECS/ELINCS | - |
| ENCS | - |
| IECSC | Complies |
| KECI | Complies |
| PICCS | - |
| AIIC | Complies |
| NZIoC | Complies |
| TCSI | |
| TSCA | United States Toxic Substances Control Act Section 8(b) Inventory. |
| DSL | Canadian Domestic Substances List. |
| DSL/NDL | Canadian Domestic Substances List/Canadian 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. |
| AIIC | Australian Inventory of Chemical Substances. |
| NZIoC | New Zealand Inventory of Chemicals. |
| TCSI | Taiwan Chemical Substance Inventory |

U.S. Federal Regulations:**SARA SECTION 313:**

This product does not contain any chemicals that are subject to the reporting requirements of SARA 313.

TOXIC SUBSTANCES CONTROL ACT 12(b):

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

CALIFORNIA PROPOSITION 65 CARCINOGENS**WARNING**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Formaldehyde | 50-00-0 |
| C.I. Basic Violet 10 | 81-88-9 |
| Naphthalene | 91-20-3 |

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

16. Other Information

Revision Date: 12/20/2023 Supersedes Date: 3/24/2023
 Reason for revision: No Information
 Datasheet produced by: Regulatory Department

HMIS Ratings:

| | | | | | | | |
|----------------|----|----------------------|---|-------------------------|---|-----------------------------|---|
| Health: | 1* | Flammability: | 1 | Physical Hazard: | 0 | Personal Protection: | X |
|----------------|----|----------------------|---|-------------------------|---|-----------------------------|---|

NFPA Ratings:

| | | | | | | | |
|----------------|------|----------------------|------|---------------------|------|---------------------------------|------|
| Health: | N.I. | Flammability: | N.I. | Instability: | N.I. | Physical & Chemical: | N.I. |
|----------------|------|----------------------|------|---------------------|------|---------------------------------|------|

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.