

1. Identification

Product Information.	ZYB-804
Product Name:	Zydeco™ Pantone® 804 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**

Skin Irritation, category 2
Skin Sensitizer, category 1
Eye Irritation, category 2A
STOT, single exposure, category 3, RTI
Carcinogenicity, category 2

GHS Pictograms**Signal Word**

Warning

Unknown Acute Toxicity

46.4% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
Suspected of causing cancer.

Precautionary Statements - Prevention.

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash face and hands and any exposed skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response.

If on skin: Wash with plenty of water.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (If applicable, see label for any additional instructions).

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Precautionary Statements - Storage.

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

Store locked up.

Precautionary Statements - Disposal.

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

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
Ethoxylated trimethylolpropane triacrylate	28961-43-5	25-50
Tripropylene glycol diacrylate	42978-66-5	10-25
trimethylolpropane triacrylate	15625-89-5	0.1-1.0
Hydroquinone	123-31-9	<0.1

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. Call a physician immediately.

Eye contact.

Keep eye wide open while rinsing. Call a physician immediately. Immediately flush with plenty of water.

After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

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.

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.

No information available.

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.

Advice for emergency responders.

No Information

Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dike for later disposal; do not apply water unless directed to do so. 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.

When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions.

Keep container tightly closed in a dry and well-ventilated place. 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>
Hydroquinone	1 mg/m ³	N.E.	2 mg/m ³	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.

Tightly fitting safety goggles.

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	Acrylates
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)	1.180
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.	12 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.

Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.

Conditions to Avoid.

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

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

None known.

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 (dermal) 10,548.5 mg/kg

Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
28961-43-5	Ethoxylated trimethylolpropane triacrylate	N.I.	>13200 mg/kg Rabbit	N.I.
42978-66-5	Tripropylene glycol diacrylate	6200 mg/kg Rat	>2000 mg/kg Rabbit	N.I.

15625-89-5	trimethylolpropane triacrylate	5190 mg/kg Rat	5000 mg/kg Rabbit	N.I.
123-31-9	Hydroquinone	298 mg/kg Rat	74800 mg/kg Rabbit	N.I.

N.I. = No Information

Skin corrosion/irritation.

Irritating to skin.

Eye damage/irritation.

Irritating to eyes.

Respiratory or skin sensitization.

May cause allergic skin reaction.

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

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

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
15625-89-5	trimethylolpropane triacrylate	IARC Group 2B	-	-
123-31-9	Hydroquinone	IARC Group 3	-	-

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

H335 - May cause respiratory irritation.

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information

Toxicity.

0.85% 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
Ethoxylated trimethylolpropane triacrylate 28961-43-5	-	LC50 96 h Danio rerio 1.95 mg/L	-
Tripropylene glycol diacrylate 42978-66-5	EC50 72 h Desmodesmus subspicatus >28 mg/L	-	EC50 48 h Daphnia magna 88.7 mg/L
Hydroquinone 123-31-9	EC50 72 h Pseudokirchneriella subcapitata 0.335 mg/L	LC50 96 h Oncorhynchus mykiss 0.044 mg/L, LC50 96 h Pimephales promelas 0.044 mg/L, LC50 96 h Pimephales promelas 0.1 - 0.18 mg/L, LC50 96 h Brachydanio rerio 0.17 mg/L	EC50 48 h Daphnia magna 0.29 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>
28961-43-5	Ethoxylated trimethylolpropane triacrylate	2.89
42978-66-5	Tripropylene glycol diacrylate	2
123-31-9	Hydroquinone	0.59

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: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Tripropylene glycol diacrylate), 9, PGIII
 Hazard Class: 9
 UN Number: UN3082
 Packing Group: PGIII

IATA

Proper Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Tripropylene glycol diacrylate), 9,
 Hazard Class: PGIII
 UN Number: 9
 Packing Group: UN3082
 PGIII

15. Regulatory Information**International Inventories:**

TSCA Complies

DSL -

DSL/NDSL -

EINECS/ELINCS -

ENCS -

IECSC -

KECI -

PICCS -

AIC -

NZIoC -

TCSI

TSCA United States Toxic Substances Control Act Section 8(b) Inventory.

DSL Canadian Domestic Substances List.

DSL/NDSL 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.

AIC 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:.

Chemical Name

trimethylolpropane triacrylate
C.I. Basic Violet 10

CAS-No.

15625-89-5
81-88-9

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

NOTICE

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

16. Other Information

Revision Date: 10/26/2022 **Supersedes Date:** New SDS
Reason for revision: No Information
Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	2*	Flammability:	1	Physical Hazard:	2	Personal Protection:	X
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NFPA Ratings:

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