

**1. Identification**

<b>Product Information.</b>	JZB14
<b>Product Name:</b>	Jazz Colors® Fire Orange™ Base
<b>Recommended Use.</b>	Ink Base
<b>Uses advised against.</b>	No information available
<b>Supplier.</b>	DayGlo Color Corp. 4515 St. Clair Avenue Cleveland, OH 44102 (216) 391-7070 +1 216-391-7070 (outside the US)
<b>Emergency telephone number.</b>	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  
Acute Toxicity, Inhalation, category 4  
STOT, single exposure, category 3, RTI  
Carcinogenicity, category 1B

**GHS Pictograms****Signal Word**

Danger

**Unknown Acute Toxicity**

52.7% 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.  
Harmful if inhaled.  
May cause respiratory irritation.  
May cause 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>
Tripropylene glycol diacrylate	42978-66-5	25-50
Ethoxylated trimethylolpropane triacrylate	28961-43-5	25-50
C.I. Basic Red 1:1	3068-39-1	1.0-2.5
SOLVENT YELLOW 85	1742-95-6	1.0-2.5
Formaldehyde	50-00-0	0.1-1.0
trimethylolpropane triacrylate	15625-89-5	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. 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>
Formaldehyde	0.1 ppm	0.3 ppm	0.75 ppm	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	Pungent
Odor Threshold	No Information
pH	No Information
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	>110 (>230.00)
Boiling point/boiling range., °C (°F)	109 (228.2)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	1.220
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.	None
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 (oral)	18,189.6 mg/kg
ATEmix (dermal)	7,098.0 mg/kg
ATEmix (inhalation - dust/mist)	1.32 mg/l

#### Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
42978-66-5	Tripropylene glycol diacrylate	6200 mg/kg Rat	>2000 mg/kg Rabbit	N.I.
28961-43-5	Ethoxylated trimethylolpropane triacrylate	N.I.	>13200 mg/kg Rabbit	N.I.
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)
50-00-0	Formaldehyde	100 mg/kg Rat	>2000 mg/kg Rat	0.005 (Dust)
15625-89-5	trimethylolpropane triacrylate	5190 mg/kg Rat	5000 mg/kg Rabbit	N.I.

N.I. = No Information

### Skin corrosion/irritation.

Irritating to skin. SKIN IRRITANT.

### Eye damage/irritation.

Irritating to eyes.

### Respiratory or skin sensitization.

May be harmful if inhaled. 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>
50-00-0	Formaldehyde	IARC Group 1	NTP Known Human Carcinogen	Present
15625-89-5	trimethylolpropane triacrylate	IARC Group 2B	-	-

### 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.

4.13% of the mixture consists of ingredient(s) of unknown aquatic toxicity

### Ecotoxicity effects.

<u>Chemical Name</u>	<u>Toxicity to algae</u>	<u>Toxicity to fish</u>	<u>Toxicity to daphnia and other aquatic invertebrates</u>
Tripropylene glycol diacrylate 42978-66-5	EC50 72 h Desmodesmus subspicatus >28 mg/L	-	EC50 48 h Daphnia magna 88.7 mg/L

Ethoxylated trimethylolpropane triacrylate 28961-43-5	-	LC50 96 h Danio rerio 1.95 mg/L	-
Formaldehyde 50-00-0	-	LC50 96 h Pimephales promelas 22.6 - 25.7 mg/L, LC50 96 h Lepomis macrochirus 1510 µg/L, LC50 96 h Brachydanio rerio 41 mg/L, LC50 96 h Oncorhynchus mykiss 0.032 - 0.226 mL/L, LC50 96 h Oncorhynchus mykiss 100 - 136 mg/L, LC50 96 h Pimephales promelas 23.2 - 29.7 mg/L	LC50 48 h Daphnia magna 2 mg/L, EC50 48 h Daphnia magna 11.3 - 18 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>
42978-66-5	Tripropylene glycol diacrylate	2
28961-43-5	Ethoxylated trimethylolpropane triacrylate	2.89
3068-39-1	C.I. Basic Red 1:1	1.7
50-00-0	Formaldehyde	0.35

**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	Complies
DSL/NDSL	-
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECI	-
PICCS	Complies
AIIC	-
NZIoC	Complies

### 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.
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 contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372: .

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight Percent</u>
Formaldehyde	50-00-0	0.1-1.0

#### 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
trimethylolpropane triacrylate	15625-89-5
C.I. Basic Violet 10	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:** 10/28/2022 **Supersedes Date:** New SDS  
**Reason for revision:** No Information  
**Datasheet produced by:** Regulatory Department

### HMIS Ratings:

<b>Health:</b>	2*	<b>Flammability:</b>	1	<b>Physical Hazard:</b>	0	<b>Personal Protection:</b>	X
----------------	----	----------------------	---	-------------------------	---	-----------------------------	---

### NFPA Ratings:

<b>Health:</b>	N.I.	<b>Flammability:</b>	N.I.	<b>Instability:</b>	N.I.	<b>Physical &amp; Chemical:</b>	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.