

# SAFETY DATA SHEET



Revision Date 15-Jan-2021  
Version 3.02

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** Jazz™ Colors Arc Yellow™ Base  
**Product code** JZB16

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Ink Base  
**Restrictions on use** No information available

### 1.3 Details of the supplier of the safety data sheet

**Supplier** DayGlo Color Corp.  
4515 St. Clair Avenue  
Cleveland, OH 44103  
(216) 391-7070  
+1 216-391-7070 (outside the US) This telephone number is available during office hours only.

**E-mail Address** ehs@dayglo.com

### 1.4 Emergency telephone number

**Emergency telephone number** Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910.1200

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3 - (H335)

### 2.2 Label elements

#### Signal Word

Danger

#### Hazard Statements

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
May cause cancer

May cause respiratory irritation



#### 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  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Use only outdoors or in a well-ventilated area

#### Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention Specific treatment (see .? on this label)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of water and soap  
 Take off contaminated clothing and wash it before reuse  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing

#### Precautionary Statements - Storage

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

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### 2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

#### 2.4 Other information

Not Applicable

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/Information on Ingredients

#### Substance

#### Mixture

Chemical Name	CAS No.	Weight-%
Tripropylene glycol diacrylate	42978-66-5	20 - 30
Ethoxylated trimethylolpropane triacrylate	28961-43-5	20 - 30
Formaldehyde	50-00-0	< 1

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

### 4. First aid measures

#### 4.1 Description of first-aid measures

**General advice** No information available.

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Seek immediate medical attention/advice.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Call a physician immediately.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Consult a physician.

#### **4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically.

### **5. Fire-Fighting Measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

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

**Unsuitable Extinguishing Media** None.

#### **5.2 Special hazards arising from the substance or mixture**

##### **Special Hazard**

None known based on information supplied.

**Hazardous Combustion Products** Carbon oxides. Nitrogen oxides (NOx).

##### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### **5.3 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**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

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

#### **6.2 Environmental precautions**

Prevent product from entering drains.

#### **6.3 Methods and materials for containment and cleaning up**

**Methods for Containment** Dike to collect large liquid spills. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

### **7. Handling and storage**

**7.1 Precautions for safe handling**

<b>Advice on safe handling</b>	Prevent contact with skin, eyes and clothing. Wash thoroughly after handling.
<b>Hygiene measures</b>	When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

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

<b>Storage Conditions</b>	Keep at temperatures below 37°C. Protect from light.
<b>Materials to Avoid</b>	No materials to be especially mentioned.

**8. Exposure controls/personal protection****8.1 Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
Formaldehyde 50-00-0	Ceiling: 0.3 ppm	TWA: 0.75 ppm STEL: 2 ppm see 29 CFR 1910.1048	TWA: 0.3 ppm Ceiling: 1 ppm Sensitizer	Ceiling: 1 ppm Ceiling: 1.3 mg/m <sup>3</sup> TWA: 0.75 ppm TWA: 0.9 mg/m <sup>3</sup>	Ceiling: 2 ppm Ceiling: 3 mg/m <sup>3</sup>	STEL: 1.0 ppm CEV: 1.5 ppm

**8.2 Appropriate engineering controls**

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems.
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**8.3 Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to handling and processing of material.
<b>Skin and body protection</b>	Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.
<b>Respiratory protection</b>	. NIOSH/MSHA approved respiratory protection should be worn if exposure is anticipated.
<b>Hygiene measures</b>	See section 7 for more information

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Color</b>	Orange yellow
<b>Appearance</b>	Liquid	<b>Odor Threshold</b>	No information available
<b>Odor</b>	Pungent		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		No information available
Melting/freezing point		No information available
Boiling point/boiling range	109 °C / 228 °F	
Flash Point	110 °C / 230 °F	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	1.22	
Water solubility	Insoluble in water	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

**Volatile organic compounds (VOC)** None content

## 10. Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

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

### 10.4 Conditions to Avoid

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

### 10.5 Incompatible Materials

None known based on information supplied.

### 10.6 Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx).

## 11. Toxicological information

### 11.1 Acute toxicity

#### Numerical measures of toxicity: Product Information

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

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

**LC50 (Dust/Mist)** 7.83 mg/l  
**LC50 (Vapor)** 333.00 mg/l

#### Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tripropylene glycol diacrylate 42978-66-5	3000 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	-
Formaldehyde 50-00-0	600 mg/kg ( Rat )	= 270 mg/kg ( Rabbit )	= 0.578 mg/L ( Rat ) 4 h

### 11.2 Information on toxicological effects

#### Skin corrosion/irritation

##### Product Information

- Irritating to skin

##### Component Information

- No information available

#### Serious eye damage/eye irritation

##### Product Information

- Causes serious eye damage

##### Component Information

- No information available

#### Respiratory or skin sensitization

##### Product Information

- May cause allergic skin reaction

##### Component Information

- No information available

#### Germ cell mutagenicity

##### Product Information

- No information available

##### Component Information

- No information available

#### Carcinogenicity

##### Product Information

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

##### Component Information

- Contains a known or suspected carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Formaldehyde 50-00-0	A2	Group 1	Known	Group 1

#### Reproductive toxicity

Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Other adverse effects**Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- No information available

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

< 1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Tripropylene glycol diacrylate 42978-66-5	EC50: 72 h <i>Desmodesmus subspicatus</i> 28 mg/L	-	EC50: 48 h <i>Daphnia magna</i> 88.7 mg/L
Formaldehyde 50-00-0	-	LC50: 96 h <i>Pimephales promelas</i> 22.6 - 25.7 mg/L flow-through LC50: 96 h <i>Lepomis macrochirus</i> 1510 µg/L static LC50: 96 h <i>Brachydanio rerio</i> 41 mg/L static LC50: 96 h <i>Oncorhynchus mykiss</i> 0.032 - 0.226 mL/L flow-through LC50: 96 h <i>Oncorhynchus mykiss</i> 100 - 136 mg/L static LC50: 96 h <i>Pimephales promelas</i> 23.2 - 29.7 mg/L static	LC50: 48 h <i>Daphnia magna</i> 2 mg/L EC50: 48 h <i>Daphnia magna</i> 11.3 - 18 mg/L Static

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

Chemical Name	log Pow
Tripropylene glycol diacrylate 42978-66-5	2.77
Formaldehyde 50-00-0	0.35

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

No information available

**13. Disposal Considerations****13.1 Waste treatment methods**

Dispose of in accordance with federal, state, and local regulations.

**14. Transport Information**

<b>DOT</b>	Not regulated
<b>MEX</b>	Not known
<b>IMDG</b>	
<b>Proper shipping name</b>	UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Tripropylene glycol diacrylate), 9, PGIII
<b>Hazard class</b>	9
<b>UN</b>	UN3082
<b>Packing Group</b>	PGIII
<b>IATA</b>	
<b>UN</b>	UN3082
<b>Proper shipping name</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s., (Tripropylene glycol diacrylate), 9, PGIII
<b>Hazard class</b>	9
<b>Packing Group</b>	PGIII

**15. Regulatory information****15.1 International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	-
<b>IECSC</b>	Complies
<b>KECL</b>	-
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	-

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL** - Canadian Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**PICCS** - Philippines Inventory of Chemicals and 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**AICS** - Australian Inventory of Chemical Substances**NZIoC** - New Zealand Inventory of Chemicals**15.2 U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:



Chemical Name	SARA 313 - Threshold Values %	Weight-%
Formaldehyde 50-00-0	0.1	< 1

### 15.3 Pesticide Information

Not applicable

### 15.4 U.S. State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Formaldehyde - 50-00-0	Carcinogen
C.I. Basic Violet 10 - 81-88-9	Carcinogen

### 16. Other information

<b>NFPA</b>	<b>Health Hazard -</b>	<b>Flammability -</b>	<b>Instability -</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2*</b>	<b>Flammability 1</b>	<b>Physical Hazard 2</b>	<b>Personal protection X</b>

#### Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)

Ceiling (C)

DOT (Department of Transportation)

EPA (Environmental Protection Agency)

IARC (International Agency for Research on Cancer)

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG)

NIOSH (National Institute for Occupational Safety and Health)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

PEL (Permissible Exposure Limit)

Reportable Quantity (RQ)

Skin designation (S\*)

STEL (Short Term Exposure Limit)

TLV® (Threshold Limit Value)

TWA (time-weighted average)

**Prepared By** DayGlo Color Corp.  
Regulatory Affairs/Product Safety  
15-Jan-2021

#### Revision Date

#### Revision Note

No information available

#### Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**