

## 1. Identification

|                                    |  |
|------------------------------------|--|
| <b>Product Information.</b>        | ZQ-15  |
| <b>Product Name:</b>               | ZQ® Pigment Blaze Orange™  |
| <b>Recommended Use.</b>            | Pigment  |
| <b>Uses advised against.</b>       | No information available   |
| <b>Supplier.</b>                   | DayGlo Color Corp.<br>4515 St. Clair Avenue<br>Cleveland, OH 44102<br>(216) 391-7070<br>+1 216-391-7070 (outside the US) |
| <b>Emergency telephone number.</b> | Chemtrec: +1-800-424-9300 USA<br>Chemtrec: +1 703-527-3887 ex-USA<br>24 hrs./day, 7 days/week                            |

## 2. Hazards Identification

### GHS Classification in accordance with 29 CFR 1910.1200

Combustible Dust (US OSHA)  
Acute Toxicity, Inhalation, category 4  
Eye Irritation, category 2A

### GHS Pictograms



### Signal Word

Warning

### Unknown Acute Toxicity

< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

### HAZARD STATEMENTS

Causes serious eye irritation.  
Harmful if inhaled.  
May form combustible dust concentrations in air.

### Precautionary Statements - Prevention.

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 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.  
Call a poison center/doctor if you feel unwell.  
If eye irritation persists: Get medical advice/attention.

### 3. Composition/Information on Ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> |
|----------------------|----------------|--------------|
| C.I. Basic Red 1:1   | 3068-39-1      | 1.0-2.5      |

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 soap and plenty of water.

##### **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.

##### **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<sub>x</sub>). Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

#### 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. Dust deposits should not be allowed to accumulate on surfaces as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dusty surfaces with compressed air). Nonsparking tools should be used.

#### Methods and materials for containment and cleaning up.

##### **Methods for Containment.**

Cover powder spill with plastic sheet or tarp to minimize spreading. Prevent dust cloud. Avoid dust formation. Prevent product from entering drains. Take precautionary measures against static discharges. Take up mechanically and collect in suitable container for disposal. Keep in suitable and closed containers for disposal. Use personal protective equipment. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust.

#### Methods for cleaning up.

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

#### 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.

Fine dust dispersed in air may ignite. Wear personal protective equipment. Take precautionary measures against static discharges. Avoid dust formation.

##### Hygiene measures.

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> |
|----------------------|----------------------|-----------------------|---------------------|-------------------------|
|----------------------|----------------------|-----------------------|---------------------|-------------------------|

Contains no substances with occupational exposure limit values.

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 protective gloves/ protective clothing. 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                        | Solid          |
| Appearance                            | Powder         |
| Color                                 | Orange         |
| Odor                                  | Mild           |
| Odor Threshold                        | No Information |
| pH                                    | No Information |
| Melting/freezing point., °C (°F)      | 120 (248)      |
| Flash Point., °C (°F)                 | No Information |
| Boiling point/boiling range., °C (°F) | No Information |

|  |                          |
|--|--------------------------|
| Evaporation rate                       | No Information Available |
| Explosive properties.                  | No Information           |
| Vapor pressure.                        | No Information           |
| Vapor density.                         | No Information           |
| Specific Gravity. (g/cm <sup>3</sup> ) | 1.200                    |
| 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 under normal conditions. Dust formation.

**Possibility of hazardous reactions.**

None known based on information supplied.

**Conditions to Avoid.**

Take precautionary measures against static discharges.

**Incompatible Materials.**

None known based on information supplied.

**Hazardous Decomposition Products.**

None known.

## 11. Toxicological Information

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

|                                   |                                    |                                |
|-----------------------------------|------------------------------------|--------------------------------|
| <b>LD50 Oral</b><br>>15,300 mg/kg | <b>LD50 Dermal</b><br>>3,000 mg/kg | <b>LC50 Inhalation</b><br>N.I. |
|-----------------------------------|------------------------------------|--------------------------------|

**Component Information.**

| <b><u>CAS-No.</u></b> | <b><u>Chemical Name</u></b> | <b><u>LD50 Oral</u></b> | <b><u>LD50 Dermal</u></b> | <b><u>LC50 Inhalation</u></b> |
|-----------------------|-----------------------------|-------------------------|---------------------------|-------------------------------|
| 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)    |

N.I. = No Information

**Skin corrosion/irritation.**

May cause irritation.

**Eye damage/irritation.**

Irritating to eyes.

**Respiratory or skin sensitization.**

May be harmful if inhaled.

**Ingestion.**

No Information

**Germ cell mutagenicity.**

No Information

**Carcinogenicity.**

No Information

**Reproductive toxicity.**

No Information

**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.**

1.01% of the mixture consists of ingredient(s) of unknown aquatic toxicity

**Ecotoxicity effects.****Persistence and degradability.**

No data are available on the product itself.

**Bioaccumulative potential.**

Discharge into the environment must be avoided.

**CAS-No.**

3068-39-1

**Chemical Name**

C.I. Basic Red 1:1

**log POW**

1.7

**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           | -        |
| DSL/NDSL      | -        |
| EINECS/ELINCS | Complies |
| ENCS          | -        |
| IECSC         | Complies |
| KECI          | -        |
| PICCS         | -        |
| AICS          | Complies |
| 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.                                       |
| AICS          | 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> |
|-----------------------|----------------|-----------------------|
| Resin (Zinc Compound) |                | 75-100                |

#### 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> |
|----------------------|----------------|
| C.I. Basic Violet 10 | 81-88-9        |

#### CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

**16. Other Information**

**Revision Date:** 10/7/2022 **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.