

# Safety Data Sheet

## Red Food Coloring



### Section 1 Product Description

**Product Name:** Red Food Coloring  
**Recommended Use:** Science education applications  
**Synonyms:** food coloring  
**Distributor:** Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

### Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Classification:

**Other Safety Precautions:** Not a dangerous substance according to GHS classification criteria.  
No known OSHA hazards.

### Section 3 Composition / Information on Ingredients

| <u>Chemical Name</u>                                      | <u>CAS #</u> | <u>%</u> |
|---|--------------|----------|
| Proprietary non-hazardous mixture containing FD&C colors. |              | 100      |
| FD&C Colors   |              |          |
| Propylene Glycol (CAS # 57-55-6)                          |              |          |
| Propylparaben (CAS # 94-13-3)                             |              |          |
| Water (CAS # 7732-18-5)                                   |              |          |

### Section 4 First Aid Measures

#### Emergency and First Aid Procedures

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**Skin Contact:** After contact with skin, wash immediately with plenty of water.  
**Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### Section 5 Firefighting Procedures

**Extinguishing Media:** Use media suitable to extinguish surrounding fire.  
**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
**Fire and/or Explosion Hazards:** None Known  
**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

### Section 6 Spill or Leak Procedures

**Steps to Take in Case Material Is Released or Spilled:** No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS. Contain the discharged material. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.

### Section 7 Handling and Storage

**Handling:** Avoid direct sunlight and heat.

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**Storage:** Suitable for any general chemical storage.  
**Storage Code:** Green - general chemical storage

## Section 8 Protection Information

| <b>Chemical Name</b> | <b>ACGIH</b> |               | <b>OSHA PEL</b> |               |
|----------------------|--------------|---------------|-----------------|---------------|
|                      | <b>(TWA)</b> | <b>(STEL)</b> | <b>(TWA)</b>    | <b>(STEL)</b> |
| No data available    | N/A          | N/A           | N/A             | N/A           |

### Control Parameters

**Engineering Measures:** No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

**Personal Protective Equipment (PPE):** Not Normally Required

**Respiratory Protection:** No respiratory protection required under normal conditions of use.

**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Natural rubber, Neoprene, PVC or equivalent.

## Section 9 Physical Data

|   |   |
|---|---|
| <b>Formula:</b> N/A                             | <b>Vapor Pressure:</b> N/A                          |
| <b>Molecular Weight:</b> N/A                    | <b>Evaporation Rate (BuAc=1):</b> N/A               |
| <b>Appearance:</b> Blue Green Red Yellow Liquid | <b>Vapor Density (Air=1):</b> N/A                   |
| <b>Odor:</b> No data available                  | <b>Specific Gravity:</b> 1.025                      |
| <b>Odor Threshold:</b> No data available        | <b>Solubility in Water:</b> Soluble                 |
| <b>pH:</b> No data available                    | <b>Log Pow (calculated):</b> No data available      |
| <b>Melting Point:</b> No data available         | <b>Autoignition Temperature:</b> No data available  |
| <b>Boiling Point:</b> 100 C                     | <b>Decomposition Temperature:</b> No data available |
| <b>Flash Point:</b> No data available           | <b>Viscosity:</b> No data available                 |
| <b>Flammable Limits in Air:</b> N/A             | <b>Percent Volatile by Volume:</b> N/A              |

## Section 10 Reactivity Data

**Reactivity:** No data available

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** None known.

**Incompatible Materials:** Oxidizing materials

**Hazardous Decomposition Products:** Carbon oxides

**Hazardous Polymerization:** Will not occur

## Section 11 Toxicity Data

**Routes of Entry:** Ingestion.

**Symptoms (Acute):** None Known

**Delayed Effects:** No data available

### Acute Toxicity:

| <b>Chemical Name</b> | <b>CAS Number</b> | <b>Oral LD50</b> | <b>Dermal LD50</b> | <b>Inhalation LC50</b> |
|----------------------|-------------------|------------------|--------------------|------------------------|
| No data available    |                   | Not determined   | Not determined     | Not determined         |

### Carcinogenicity:

| <b>Chemical Name</b> | <b>CAS Number</b> | <b>IARC</b> | <b>NTP</b> | <b>OSHA</b> |
|----------------------|-------------------|-------------|------------|-------------|
| No data available    |                   | Not listed  | Not listed | Not listed  |

### Chronic Effects:

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**Mutagenicity:** No evidence of a mutagenic effect.  
**Teratogenicity:** No evidence of a teratogenic effect (birth defect).  
**Sensitization:** No evidence of a sensitization effect.  
**Reproductive:** No evidence of negative reproductive effects.  
**Target Organ Effects:**  
**Acute:** See Section 2  
**Chronic:** To the best of our knowledge, the toxicological properties of this mixture have not been thoroughly evaluated.

## Section 12

## Ecological Data

**Overview:** This material is not expected to be harmful to the ecology.  
**Mobility:** No data  
**Persistence:** No data  
**Bioaccumulation:** No data  
**Degradability:** No data  
**Other Adverse Effects:** No data

| Chemical Name | CAS Number | Eco Toxicity |
|---------------|------------|--------------|
| N/A           |            |              |

## Section 13

## Disposal Information

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.  
**Waste Disposal Code(s):** Not Determined

## Section 14

## Transport Information

| Ground - DOT Proper Shipping Name: | Air - IATA Proper Shipping Name:         |
|------------------------------------|--|
| Not regulated for transport by DOT | Not regulated for air transport by IATA. |

## Section 15

## Regulatory Information

**TSCA Status:** A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances. Product is for research and development use only.

| Chemical Name     | CAS Number | § 313 Name | § 304 RQ | CERCLA RQ | § 302 TPQ | CAA 112(2) TQ |
|-------------------|------------|------------|----------|-----------|-----------|---------------|
| No data available |            | No         | No       | No        | No        | No            |

**California Prop 65:** No California Proposition 65 ingredients

## Section 16

## Additional Information

# Safety Data Sheet

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

## Glossary

|        |   |      |   |
|--------|---|------|---|
| ACGIH  | American Conference of Governmental Industrial Hygienists             | NTP  | National Toxicology Program                   |
| CAS    | Chemical Abstract Service Number                                      | OSHA | Occupational Safety and Health Administration |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act | PEL  | Permissible Exposure Limit                    |
| DOT    | U.S. Department of Transportation                                     | ppm  | Parts per million                             |
| IARC   | International Agency for Research on Cancer                           | RCRA | Resource Conservation and Recovery Act        |
| N/A    | Not Available   | SARA | Superfund Amendments and Reauthorization Act  |
|        |   | TLV  | Threshold Limit Value                         |
|        |   | TSCA | Toxic Substances Control Act                  |
|        |   | IDLH | Immediately dangerous to life and health      |