

1. Identification

Product Identifier: **Flo Green Dye**
Flo Orange Dye
Flo Pink Dye
Flo Red Dye
Flo Yellow Dye
Black Dye
Blue Dye

Use: Pigment

Manufacturer: Alumilite
 315 E. North Street Kalamazoo, MI 49007 USA

Phone Number: +1 800-447-9344 (9 a.m. to 5 p.m. EST)

Emergency Phone: CHEMTREC 800-424-9300 or
 +1 703-527-3887

E-mail: info@alumilite.com

2. Hazards Identification

GHS Classification: Not hazardous per 29 CFR 1910.1200.

Label Elements: No GHS label required.

Supplemental Information: If product is in liquid or paste form, hazards related to dust are not considered significant. But product may contain substances that could be potential hazards if caused to become airborne due to abrasive processes.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Carbon Black	1333-96-4	20-40
Quinizarin	81-64-1	≥1 - <5

Exact concentrations are withheld as trade secret. Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water holding the eyelids open to be sure the material is washed out. Get medical attention if irritation develops and persists.

Skin Contact: Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists.

Inhalation: If breathing is difficult, remove person to fresh air. If experiencing difficulty breathing, call a doctor.

Ingestion: Rinse mouth. Get medical attention if feeling unwell.

Most Important Symptoms/Effects: Direct contact with eyes may cause mild irritation.

Indication of Immediate Medical Attention/Special Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing Media: Carbon dioxide, dry chemical, foams, or water spray.

Specific Hazards: Not classified as flammable or combustible. During fire, gases hazardous to health may be formed.

Special Protective Equipment and Precautions for Fire-Fighters: Wear SCBA & full-body protective suit. Move containers from fire area if you can do so without risk.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Remove ignition sources. Clear non-emergency personnel from the area.

Methods and Materials for Containment and Cleanup: Large Spills:

Stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand, or earth and place into containers. Flush area with water avoiding discharge into drains, water courses or onto the ground. Small Spills: Wipe with absorbent material and clean surface thoroughly. Dispose of according to local, regional, and national regulatory requirements.

7. Handling and Storage

Safe Handling: Use in a ventilated area. Avoid contact with skin and eyes. Change contaminated clothing and wash hands after working with substance.

Safe Storage: Store in original tightly closed container. Store away from incompatible materials, heat, and open flames.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For carbon black (1333-96-4):

OSHA PEL	3.5 mg/m ³
ACGIH	3.0 mg/m ³ TWA

Ventilation: Use with adequate general or local exhaust ventilation to maintain exposure limits below the occupational exposure limits.

Respiratory Protection: In case of inadequate ventilation, use a properly fitted, air-purifying or air-fed respirator.

Skin Protection: Wear chemical-resistant, impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles/glasses.

Other Protective Measures: Wash hands after handling the material and before eating, drinking, and/or smoking.

9. Physical and Chemical Properties

Appearance: Liquid, colors vary

Odor: Mild

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: No data available

Flash Point: 200-390°F

Evaporation Rate: No data available

Flammable Limits: Not flammable

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: 1.11-1.23 g/cm³

Solubility: Insoluble in water

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: No data available

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Avoid temperatures exceeding flashpoint and contact with incompatible materials.

Incompatible Materials: Avoid strong oxidizing agents.

Hazardous Decomposition Products: None known

11. Toxicological Information

Eye Contact: May cause mild irritation.

Skin Contact: May cause mild irritation.

Inhalation: May cause mild respiratory irritation.

Ingestion: May cause mild irritation.

Chronic Health Effects: None know.

Acute Toxicity Values: For carbon black: Oral rat LD₅₀ >8,000 mg/kg.
For quinizarin: Oral rat LD₅₀ >2,000 mg/kg.

Germ Cell Mutagenicity: Components are not known mutagens.

Carcinogenicity: Carbon black (1333-96-4) is an IARC 2B carcinogen and is classified as possibly carcinogenic to humans. No other ingredients are classified as carcinogens by NTP, IARC or OSHA.

Reproductive Toxicity: Relevant components are not known or suspected reproductive toxins.

Specific Target Organ Toxicity: Relevant components are not known or suspected toxins to specific target organs.

12. Ecological Information

Ecotoxicity: Not expected to be dangerous to aquatic organisms. Avoid discharging into waterways.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, regional and national regulations.

For U.S.: Upon disposal, these products are not RCRA hazardous waste (per 40 CFR 261).

14. Transport Information

Not regulated for transport in any mode.

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Not applicable.

Section 313 Toxic Chemicals: Contains no chemicals subject to SARA Title III Section 313 Reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All components are listed on TSCA.

STATE REGULATIONS:

California Proposition 65:

Flo Red and Flo Yellow: Warning: These products can expose you to chemicals including Formaldehyde, which is known to the State of California to cause cancer. www.P65Warnings.ca.gov

Black Dye: Warning: This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. www.P65Warnings.ca.gov

Flo Green, Flo Orange Dyes, Blue Dye: These products do not contain substances known to the State of California to cause cancer and/or reproductive harm.

16. Other Information

Training Advice: All personnel using/handling these products should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: Intended for industrial or professional use only.

SDS Revision Notes: GHS Version, May 13, 2019

Disclaimer: The information contained herein is considered accurate; however, Alumulite makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.