


SAFETY DATA SHEET (SDS)

Allura Red AC (FD&C Red No. 40)

SECTION 1: Identification

- **Product Name:** Allura Red AC
- **Synonyms:** FD&C Red No. 40, C.I. 16035, E129, Red Azo Dye, Food Red 17
- **CAS Number:** 25956-17-6
- **Product Code:** FDCRED40
- **Intended Use:** Laboratory chemicals, food colorant, industrial dye
- **Supplier:** Chemical Store Inc.
- **Address:** 1059 Main Avenue
Clifton, New Jersey 07011
USA
- **Website:** ChemicalStore.com
- **Tel:** +1(973) 405-6248
- **Emergency Phone Number:** +1 (973) 420-4972

SECTION 2: Hazard(s) Identification

- **GHS Classification:**
 - Acute toxicity, oral (Category 4), H302
 - Skin irritation (Category 2), H315
 - Eye irritation (Category 2A), H319
 - Specific target organ toxicity, single exposure (Category 3), H335
- **Label Elements:**
 - **Pictograms:** 
 - **Signal Word:** Warning
 - **Hazard Statements:**
 - H302: Harmful if swallowed
 - H315: Causes skin irritation
 - H319: Causes serious eye irritation
 - H335: May cause respiratory irritation
 - **Precautionary Statements:**
 - Avoid inhalation of dust/fumes.
 - Wash hands thoroughly after handling.
 - Wear protective gloves, eye protection, and appropriate clothing.

SECTION 3: Composition/Information on Ingredients

- **Chemical Name:** Allura Red AC
- **Chemical Formula:** $C_{18}H_{14}N_2Na_2O_8S_2$
- **CAS Number:** 25956-17-6
- **EC Number:** 247-368-0
- **Weight %:** ≥99%

SECTION 4: First-Aid Measures

- **Inhalation:** Remove to fresh air. If breathing is difficult, seek medical attention.
 - **Skin Contact:** Wash affected area with soap and water. Seek medical attention if irritation occurs.
 - **Eye Contact:** Rinse eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Ingestion:** Do not induce vomiting. Rinse mouth with water and seek medical attention.
-

SECTION 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂.
 - **Hazardous Combustion Products:** CO, CO₂, sulfur oxides, nitrogen oxides.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus (SCBA).
-

SECTION 6: Accidental Release Measures

- **Personal Precautions:** Use PPE to avoid inhalation or skin contact.
 - **Environmental Precautions:** Do not discharge into drains or soil.
 - **Cleanup Method:** Collect in suitable containers and dispose of properly.
-

SECTION 7: Handling and Storage

- **Handling:** Avoid dust formation. Use in well-ventilated areas.
 - **Storage Conditions:** Keep in a tightly closed container. Store in a cool, dry place away from incompatible substances.
-

SECTION 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Provide exhaust ventilation.
 - **Personal Protective Equipment (PPE):**
 - **Eyes:** Safety glasses with side shields
 - **Skin:** Protective gloves
 - **Respiratory:** NIOSH-approved respirator if dust is present
 - **Hygiene Measures:** Wash thoroughly after handling
-

SECTION 9: Physical and Chemical Properties

- **Appearance:** Red powder or granules

- **Odor:** Odorless
 - **pH (1% solution):** 7.0 – 9.0
 - **Melting Point:** >300°C (decomposes)
 - **Solubility:** Soluble in water
 - **Density:** 1.6 g/cm³
-

SECTION 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Incompatible Materials:** Strong oxidizing agents, acids.
 - **Hazardous Decomposition Products:** Carbon oxides, sulfur oxides, nitrogen oxides.
-

SECTION 11: Toxicological Information

- **Acute Toxicity (Oral LD50, rat):** > 10,000 mg/kg
 - **Skin Irritation:** May cause mild irritation.
 - **Eye Irritation:** Causes irritation.
 - **Chronic Effects:** No known significant effects with normal use.
-

SECTION 12: Ecological Information

- **Environmental Effects:**
 - Not classified as environmentally hazardous, but should not be released in large quantities.
 - **Biodegradability:** Expected to be biodegradable.
 - **Bioaccumulative Potential:** Low bioaccumulation potential.
-

SECTION 13: Disposal Considerations

- Dispose of in accordance with local, state, and federal regulations.
 - Do not discharge into water systems.
-

SECTION 14: Transport Information

- **UN Number:** Not regulated
 - **DOT (US):** Not regulated
 - **IMDG:** Not regulated
 - **IATA:** Not regulated
-

SECTION 15: Regulatory Information

- **US TSCA Status:** Listed
 - **EU REACH Status:** Compliant
 - **FDA Status:** Approved as a food colorant (FD&C Red No. 40)
 - **California Proposition 65:** Not listed
-

SECTION 16: Other Information

- **SDS Creation Date:** 2/11/2025
- **Prepared by:** Chemical Store Inc.
- **Disclaimer:** The information in this SDS is based on current knowledge and is intended for safety guidance, but does not guarantee specific properties or legal compliance.