

# **SAFETY DATA SHEET**

## **FD&C Blue #1, Aluminum Lake**

### **SECTION 1: IDENTIFICATION**

**Product Identifier:**

FD&C Blue #1, Aluminum Lake

**Synonyms:**

- Brilliant Blue FCF, Aluminum Lake
- CI 42090, Aluminum Lake
- Food Blue 2, Aluminum Lake

**CAS Number:** 68921-42-6**Molecular Formula:**  $C_{37}H_{34}N_2Na_2O_9S_3 \cdot xAl(OH)_3$ **Recommended Use:** Food, pharmaceutical, and cosmetic colorant**Restrictions on Use:** For industrial and professional use only**Supplier Information:**

Chemical Store Inc.

1059 Main Avenue

Clifton, NJ 07011

Tel: +1(973)405-6248

Website: [www.ChemicalStore.com](http://www.ChemicalStore.com)

**Emergency Contact:**

Tel: 1-973-420-4972

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### **SECTION 2: HAZARD IDENTIFICATION**

**Classification (GHS-US):** Not classified as hazardous under GHS criteria.**Label Elements:**

- **Pictograms:** None required
- **Signal Word:** None
- **Hazard Statements:** None
- **Precautionary Statements:**
  - P261: Avoid breathing dust.
  - P264: Wash hands thoroughly after handling.

- P270: Do not eat, drink, or smoke when using this product.
- P280: Wear protective gloves, protective clothing, and eye protection.
- P285: In case of inadequate ventilation, wear respiratory protection.
- P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P337 + P313: If eye irritation persists, get medical advice/attention.

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### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Substance Name	CAS Number	Concentration
FD&C Blue #1, Aluminum Lake	68921-42-6	100%

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### **SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing. Seek medical advice if irritation occurs.

**Inhalation:** Remove person to fresh air. Seek medical attention if symptoms develop.

**Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical attention if discomfort occurs.

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### **SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water spray, dry chemical, foam, or carbon dioxide.

**Specific Hazards Arising from the Chemical:** May release toxic fumes under fire conditions.

**Protective Equipment for Firefighters:** Wear self-contained breathing apparatus (SCBA) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Avoid dust formation. Use personal protective equipment.

**Environmental Precautions:** Prevent entry into drains or water bodies.

**Methods for Containment and Cleanup:** Sweep up and place in suitable containers for disposal. Avoid generating dust.

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## **SECTION 7: HANDLING AND STORAGE**

**Handling:** Avoid inhalation of dust. Use with adequate ventilation.

**Storage:** Keep in a tightly closed container in a cool, dry place away from incompatible substances.

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## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:** No occupational exposure limits established.

**Engineering Controls:** Provide adequate ventilation.

**Personal Protective Equipment:**

- Eye Protection: Safety glasses or goggles.
  - Skin Protection: Gloves and protective clothing.
  - Respiratory Protection: If exposure limits are exceeded, use an approved respirator.
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## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Blue powder

**Odor:** Odorless

**pH:** Not applicable

**Melting Point:** Not determined

**Solubility:** Insoluble in water

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## **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** May produce toxic fumes under fire conditions.

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

**Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion.

**Acute Toxicity:** Not classified

**Chronic Effects:** No known significant effects.

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## **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available.

**Persistence and Degradability:** Not readily biodegradable.

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

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

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## **SECTION 14: TRANSPORT INFORMATION**

**DOT Classification:** Not regulated

**IATA Classification:** Not regulated

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## **SECTION 15: REGULATORY INFORMATION**

**OSHA:** Not classified as hazardous.

**DEP:** No specific regulations found.

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## **SECTION 16: OTHER INFORMATION**

**SDS Prepared By:** Chemical Store Inc.

**Revision Date:** February 13, 2025

**Revision Number:** 1.0

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**END OF SAFETY DATA SHEET**