



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Identifier: Ultramarine Blue

Product Code: APC FG75

Recommended Use: Coloring agents, Pigments

Supplier Identification: Alabama Pigments Company
346 Rickey Road
McCalla, AL 35111

Telephone Number: 205-938-3065

Fax Number: 205-938-0015

Emergency Number: 800-531-1172

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Chemical in Accordance With Standard 29 CFR 1910.1200 (US-GHS):
Not classified.

Label Elements (Hazard Communication Standard 29 CFR 1910.1200 (US-GHS):
No labelling applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Concentration (%)	RTECS No
FG75 (Pigment Blue 29, CI 77007)	57455-37-5	100	----

Substance / Mixture: Substance

Synonyms: Blue sodium polysulfide aluminosilicate sodalite-type

SECTION 4: FIRST-AID MEASURES

Description Of First-Aid Measures:

In case of inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

In Case Of Skin Contact: Rinse skin with water. If skin irritation occurs, get medical advice.

In Case Of Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs, get medical advice.

In Case Of Ingestion: Rinse mouth. Do not induce vomiting unless directed to do so by a physician. If you feel unwell, seek medical attention.

Most Important Symptoms/Effects, both Acute and Delayed:

Not expected to present a significant hazard under anticipated conditions of normal use.

Indication Of Any Immediate Medical Attention And Special Treatment Needed:

Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media:

Suitable Extinguishing Media: Foam, water spray, dry chemical powder, carbon dioxide or sand.

Unsuitable Extinguishing Media: Do not use a heavy water stream.

Specific Hazards Arising From the Chemical:

Thermal decomposition, temperature above 400 °C, can lead to SO₂ gas release.

Special Protective Equipment and Precautions for Fire-Fighters:

Wear self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Provide adequate ventilation. Evacuate unnecessary personnel. Wear personal protection equipment (See section 8).

Environmental Precautions:

Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

Methods for Containment and Clean Up:

On land, sweep or shovel into suitable containers for disposal or recovery. Minimize generation of dust.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Avoid breathing dust. Avoid contact with skin or eyes. Wash thoroughly after handling. Keep container tightly closed. Wear appropriate personal protective equipment as specified in Section 8.

Technical Protective Measures: Provide adequate ventilation to minimize dust concentration.

Conditions for Safe Storage, Including Any Incompatibilities:

Storage: Keep only in the original container in cool, dry, well-ventilated places away from incompatible materials. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No specific limits have been established for FG75. As a guideline, OSHA and ACGIH have established the following limits which are generally recognized for inert or nuisance dusts.

Exposure Limits: Particulates Not Otherwise Regulated (

ACGIH TLV	OSHA PEL	NIOSH REL
Inhalable: 10 mg/m ³ (8h) Respirable: 3 mg/m ³ (8h)	Total dust: 15 mg/m ³ (8h) Respirable: 5 mg/m ³ (8h)	Not established

Appropriate Engineering Controls:

If needed use local exhaust ventilation to keep dust concentration below limits cited in this Section.

Personal Protective Equipment:

Respiratory Protection: Dust mask required in dusty environments or exceeding total dust limits.

Eye/Face Protection: Wear appropriate chemical safety glasses/goggles.

Hand /Skin Protection: Wear appropriate protective gloves and clothing.

General Hygiene Considerations:

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties:

Appearance: Solid, fine powder

Color: Blue

Odor: Odorless

pH: 7 – 9 [ASTM D-1208-78]

Melting Point: > 1000 °C

Boiling Point: Not applicable

Flash Point: Not applicable

Flammability (Solid, Gas): Not flammable

Explosive Properties: Not explosive

Vapor Pressure at 20°C: Not applicable

Vapor Density: Not applicable

Density: 2.35 g/cm³ [ASTM D-153-84] (water=1)

Solubility in Water: Insoluble

Partition Coefficient, n-octanol/Water: Not applicable

Auto-Ignition Temperature: Not applicable

Decomposition Temperature: 400 °C

Viscosity: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

No hazardous reaction known under normal conditions of use

Chemical Stability:

Stable under normal conditions

Possibility of Hazardous Reactions:

Stable under normal conditions

Conditions to Avoid:

At temperatures above 400 °C in the presence of air, Sulfur Dioxide (SO₂) gas can be released

Incompatible Materials:

Strong acids and bases

Hazardous Decomposition Products:

At temperatures above 400 °C in the presence of air, Sulfur Dioxide (SO₂) gas can be released. Hydrogen sulfide may be released in

contact with acids. (Not resistant grades)

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral Toxicity: LD₅₀ oral, rat: > 10000 mg/kg

Acute Toxicity: Based on available data, the classification criteria are not met

Chronic Toxicity: Based on available data, the classification criteria are not met

Irritation: Non-irritant

Sensitization: Non-sensitizing

Mutagenicity: Non-mutagenic

Carcinogenicity: No human carcinogen

Reproductive Toxicity: No toxic for reproduction

Aspiration Hazard: Not applicable

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Based on available data, the classification criteria are not met

LC50 (Fish 96 h) : > 32000 mg/L

Persistence and Degradability:

Not applicable (Inorganic substance)

Bio accumulative Potential:

Not applicable

Mobility in Soil: Not applicable

Results of PBT and vPvB Assessment: The substance does not meet the criteria to be identified as PBT or vPvB

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in a safe manner in accordance with local / state / Federal regulations. Avoid release to the environment. It is responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated. Not dangerous good.

Transport by Sea (IMO / IMDG): Not regulated. Not dangerous good

Air Transport (ICAO/ IATA): Not regulated. Not dangerous good

SECTION 15: REGULATORY INFORMATION

US Federal Regulations:

TSCA: CAS # 57455-37-5 is listed on TSCA Inventory

SARA Title III Rules:

Section 302 – Extremely Hazardous Substances: None

Section 304 – CERCLA Hazardous Substances: None

Sections 311/312 – EPCRA (Hazard Classes):

Immediate (Acute): None

Delayed (Chronic): None

Fire: None

Release of pressure: None

Reactivity: None

Section 313 – Toxic Chemical Release Inventory (TRI): None

US State Regulations:

FG75 does not appear on the following state Right-To-Know Lists:

California Proposition 65

Florida Hazardous Substances List

Massachusetts Substance List

Michigan Critical Materials Register

Minnesota Hazardous Substances List

New Jersey Hazardous Substance List

Pennsylvania Hazardous Substance List

FDA:

FG75 is cleared in 21 CFR:

Part 178 under §178.3297 (Colorants for polymers)

Part 177 under §177.2600 (Colorants in Rubber Articles intended for repeated Use)

Part 177 under §177.1210 (Closures with sealing gaskets for food containers)

Part 175 under §175.300 (Resinous and polymeric coatings)

Part 73 under §73.2725 (Color Additives approved for use in Cosmetics) (Externally applied cosmetics including eye area use)

Note: Not all the grades of FG75 are recommended for cosmetic or food contact applications. Users are asked to contact our technical service for further information.

Canada:

DSL (*Canadian Environmental Protection Act, Domestic Substances List*): included

European Union:

EINECS (*European Inventory of Existing Commercial Chemical Substances*): 309-928-3

CLP (*Regulation (EC) No 1272/2008*): FG75 is not classified as hazardous substance

SECTION 16: OTHER INFORMATION

Revision Date: 05/07/2015

Modification(S) To the Previous Version:

compliance with 29CFR part 1910 subpart Z (2012)-GHS adaptation

This Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HCS-2012) and its adaptation of United Nations 'Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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