



SAFETY DATA SHEET (SDS)

According to OSHA HazCom Standard 29 CFR 1910.1200 (g), Rev 2012 and GHS Rev 03
Revision No. 0, Review Date: 29-Oct-19

Product: FD&C BLUE NO. 1 POWDER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifiers:

Product Name: FD&C Blue No.1 Powder

Color Index Name: C.I. Food Blue 2
C.I. No: 42090
CAS number: 3844-45-9
Formula/Chemical Family: Di sodium a-(4-(N-Ethyl-3-Sulfonato Benzyl Amino)Phenyl)-a-(4-(N-ethyl- 3- ulfonato Benzyl amino) Cyclohexa-2,5-Dienylidene)Toluene-2-Sulfonate.

Synonyms:

Intended Use of the Product: Food, drug & cosmetic color additive

Name, Address, and Telephone of the Responsible Party

Distributor: Chemistry Connection
253 Sturgis Rd
Conway AR 72034 USA

Telephone +1 (501) 470-9689

SECTION 2: Hazards Identification

Classification of the substance or mixture

GHS-US Classification

Acute toxicity – inhalation (Cat 5)
Eye damage/irritation (Cat 2B)
Acute toxicity – oral (Cat 5)

Label Elements

GHS Labelling:

Hazard Pictograms (GHS-US): No Symbol

Signal Word (GHS-US): Warning

Hazard Statements (GHS-US)

H333 - May be harmful if inhaled
H320 - Causes eye irritation
H303 – May be harmful if swallowed

Precautionary Statements (GHS-US)

P304 + P312 – IF INHALED OR SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell
P305 + 351 + 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
P264 – Wash face thoroughly after handling



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Other Hazards: No data available

Unknown acute toxicity (GHS US): No data available

SECTION 3: Composition/Information on Ingredients

Substances

Name	Product Identifier CAS No.	Weight%	GHS-US Classification
FD&C Blue No.1 Powder	3844-45-9	100	Acute toxicity – inhalation (Cat 5) Eye damage/irritation (Cat 2B) Acute toxicity – oral (Cat 5)

Hazardous ingredients:

None

SECTION 4: First Aid Measures

Description of first aid measures

First Aid Measures General: Remove contaminated clothing

First-aid measures after inhalation: Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention.

First-aid measures after skin contact: Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.

First-aid measures after eye contact: Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. Get immediate medical attention.

First-aid measures after ingestion: Induce vomiting – seek immediate medical attention.

Most important symptoms and effects, both acute and delayed:

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY HAZARDOUS COMMUNICATION STANDARD. HOWEVER, AS WITH ALL CHEMICAL; HANDLE WITH CARE AVOID EYE & SKIN CONTACT, AVOID INHALATION OF DUSTS OR VAPORS. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS CLOSED.

Indication of any immediate medical attention and special treatment needed:

No additional information

SECTION 5: Firefighting Measures

Extinguishing media

Suitable Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM

Unsuitable Extinguishing Media:

Special hazards arising from the substance or mixture: NONE EXPECTED. FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS TO GUARD AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES. AVOID DUSTING. DUST CAN FORM EXPLOSIVE MIXTURES WITH AIR.

Fire Hazard: N/A

Explosion Hazard: N/A

Reactivity: N/A

Advice for firefighters

Firefighting Instructions: WEAR SELF-CONTAINED BREATHING APPARATUS.

Protection during firefighting: Wear fully protective suit.

SECTION 6: Accidental release measures



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Personal precautions, protective equipment and emergency procedures

General Measures: Remove persons from danger area.

For non-emergency personnel

Protective equipment:

Emergency procedures: No additional information

For emergency responders

Protective equipment: See Section 8 for information on personal protection equipment.

Emergency procedures: No additional information

Environmental precautions: Avoid any uncontrolled release of material. Do not empty into drains or the aquatic environment.

Methods and materials for containment and cleaning up

For containment: Where spills are possible, a comprehensive spill response plan should be developed and implemented. Steps to be taken if material is released or spilled are as follows: Utilize recommended protective clothing and equipment. Spills should be swept by using an absorbent dust control product and placed in containers.

For cleaning up: Spill area can be washed with water. Collect water for approved disposal. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

Reference to other sections

No additional information available.

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed: N/A

Precautions for safe handling:

Hygiene measures: N/A

Conditions for safe storage, including any incompatibilities

Technical measures: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Storage conditions: Above is offered as a guide. Consult title 21, Code of Federal Regulations (CFR) as the authoritative source should questions arise. (parts 1-99) Color additive Regulations are updated each year as of April 1.

Incompatible products: Keep away from heat. Keep away from sources of ignition.

Incompatible materials:

Storage area: Keep away from strong oxidizing and reducing agents

Special rules on packaging: None

Specific end use(s): Cosmetics and cosmetic-related products

SECTION 8: Exposure controls / personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Exposure controls

Appropriate engineering controls:

The usual precautionary measures are to be adhered to when handling chemicals.

Personal protective equipment:



Hand protection: Wear protective gloves

Eye protection: Tightly sealed safety goggles or full face shield



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Skin and body protection: Wear suitable protective clothing

Respiratory protection: Dust Mask

Thermal hazard protection:

Other information: No additional information

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	
Physical state, appearance, color, odor	Solid, Fine Grains, Blue Color
Odor Threshold:	No data
pH:	5-7
Melting Point/Freezing Point:	ND
Initial boiling point/boiling range:	0.00
Flashpoint:	NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.
Evaporation rate:	No data
Flammability (solid, gas):	NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.
Upper explosive limits:	N/A
Lower explosive limits:	N/A
Vapor pressure:	ND
Vapor density:	ND
Relative density:	n/a
Solubility in water:	Insoluble
Partition coefficient n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity, dynamic	No data
Viscosity, cinematic	No data
Explosive properties	N/A
Oxidizing properties	N/A

Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity: No data **Chemical**

stability: Stable **Possibility of**

hazardous reactions No additional information available

Conditions to avoid: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.

Incompatible materials: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.

Hazardous decomposition products: CO, CO₂, OXIDES OF NITROGEN AND OTHER POTENTIALLY TOXIC FUMES.

SECTION 11: Toxicological information

Information on toxicological effects

Oral (Animal): NO DATA AVAILABLE.

Dermal (animal): NO DATA AVAILABLE.

Effects to eyes (Animal): NO DATA AVAILABLE.

Skin irritation (Animal): NO DATA AVAILABLE.

Skin corrosion/irritation: Not classified



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Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: May cause drowsiness or dizziness.
Symptoms/injuries after eye contact: Causes serious eye irritation.
Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information

Toxicity:

NO DATA AVAILABLE.

Persistence and degradability: No Data Available

Bioaccumulative potential: No Data Available

Mobility in soil: No Data Available

Other adverse effects: No additional information available

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste): Dispose of only in an approved land-fill area or by controlled incineration in accordance with local and State regulations.

Waste disposal recommendations: Empty bags thoroughly. Carry out the proper recycling, re-usage or disposal. Please refer to the relevant EU regulations, in particular the guidelines/ decisions of the council regarding handling of wastes (e.g. 75/442/EEC, 91/689/EEC, 94/67/EC, 94/904/EC) as implemented in national regulations.

SECTION 14: Transport information

UN number: None

UN proper shipping name: None

Department of Transportation (DOT)

Transport hazard class(es): N/A

Hazard labels (DOT) Packing

group (DOT): N/A DOT

Special provisions: N/A

Additional information

Overland transport: NONE

Transport by sea: NONE

Air transport: NONE

DOT Quantity Limitations Passenger Aircraft: No additional information

DOT Quantity Limitations Cargo Aircraft: No additional information



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SECTION 15: Regulatory information

US Federal regulations

This substance is listed on United States TSCA (Toxic Substance Control Act) inventory.

US State regulations

None

Other regulations

Chemical Identity	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
42090	X	-	-	223-339-8	-	-	-	-	-	-

TSCA Status: IN COMPLIANCE

E C Classification: E-133

EINECS Number: 223-339-8

REACH Classification:

R-phrases:

Additional Regulatory Information:

21 CFR 74.FD&C BLUE NO.1 Powder

Drugs: ...may be safely used for coloring externally applied drugs in amounts consistent with good manufacturing practice.

21 CFR 74.2334 FD&C BLUE NO. 1 Powder

Cosmetics: ...may be safely used for coloring externally applied cosmetics in amounts consistent with good manufacturing practice.

SECTION 16: Other information

Indication of changes: N/A

Other information: N/A

GHS Full Text Phrases:

H333	May be harmful if inhaled
H320	Causes eye irritation
H303	May be harmful if swallowed

NFPA Rating: N/A

HMIS Rating: Health: 0 Flammability: 0 Reactivity: 0 Personal Protection: D

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