

Phthalo Blue Colorant PBLU

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

Date of Issue: 4/21/2022

Version: 1.2



SECTION 1: IDENTIFICATION

1.1. GHS Product Identifier

Product Form: Mixture

Product Name: Phthalo Blue Colorant PBLU

Product Code: 81190 and 81934 (sample)

1.2. Recommended Use Of The Chemical And Restrictions On Use

Use Of The Substance/Mixture: Organic dispersion based in water. Primary use: colorant preparation.

1.3. Supplier's Details

Company

Sto Corp.

6175 Riverside Drive SW

Atlanta, GA 30331

(800)221-2397

www.stocorp.com

1.4. Emergency Phone Number

Emergency Number : 800-424-9300CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS UN classification

Not a hazardous substance or mixture

2.2. GHS Label Elements, Including Precautionary Statements

GHS UN labeling

Not a hazardous substance or mixture :

Signal Word (GHS-UN) : Not applicable: Not a hazardous substance or mixture

Hazard Statements (GHS-UN) : Not applicable: Not a hazardous substance or mixture

2.3. Other hazards which do not result in classification

None. Not classified as a hazardous substance or mixture.

2.4. Unknown Acute Toxicity (GHS-UN)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Full text of H-phrases: see section 16 if applicable. *Actual concentrations withheld as a trade secret.

Chemical/Component Name	Identifier	% by weight	Classification
C.I. Pigment Blue 15:1	(CAS-No.) 147-14-8	20-30	Not classified
Copper, [29H,31Hphthalocyaninato(2-)-N29,N30,N31,N32]-, (1,3-dihydro1,3-dioxo-2H-isoindol-2-yl)methyl derivs	(CAS-No.) 68411-06-3	1-5	
Water	(CAS-No.) 7732-18-5	65-80	Not classified

SECTION 4: FIRST AID MEASURES

4.1. Description of Necessary First-Aid Measures

General: If you feel unwell, seek medical advice (show the label where possible. Never give anything by mouth to an unconscious person.

Inhalation: If symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing and rinse well. Obtain medical attention if irritation/rash develops or persists.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, hold lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

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Ingestion: Rinse mouth and give the victim plenty to drink. Consult a physician.

4.2. Most Important Symptoms/Effects, Acute and Delayed

General: The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known.

4.3. Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

If medical advice is needed, have product container or label at hand. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Specific Hazards Arising From the Chemical

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Not explosive

Reactivity: Not reactive.

5.3. Special Protective Actions for Fire-Fighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: None available.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run off to enter drains or watercourses.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Wear suitable PPE. Do not handle until all safety precautions have been read and understood.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Personal Precautions, Protective Equipment and Emergency Procedures

Prevent entry to sewers and public waters. Avoid release to the environment

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: None known.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, spray, vapors. Avoid contact with eyes, skin and clothing.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: None known

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), Colombia, Nicaragua, Panama, or Peru.

Component	CAS No.	Form of Exposure	Control parameters / Permissible concentration	Basis
C.I. Pigment Blue 15:1	147-14-8	TWA	1 mg/m ³ (Copper)	NIOSH REL
Copper, [29H,31Hphthalocyaninato(2-)-N29,N30,N31,N32]-, (1,3- dihydro-1,3-dioxo-2H-isoindol2-yl)methyl derivs	68411-06-3	TWA	1 mg/m ³ (Copper)	NIOSH REL

8.2. Exposure Controls

Appropriate Engineering Controls: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

Ensure all national/local regulations are observed.

8.3. Individual Protection Measures, Such as Personal Protective Equipment (PPE)

Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles. Where there is insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing

: Chemically resistant materials and fabrics.

Hand Protection

: Wear protective gloves (nitrile recommended)

Eye and Face Protection

: Chemical safety goggles or safety glasses.

Skin and Body Protection

: Wear suitable protective clothing to prevent skin contact.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information

: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Dispersion
Appearance	: Blue
Odor	: product specific
Odor Threshold	: No data available
pH	: 7.9
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: 32F (0 C)
Boiling Point	: No data available
Flash Point	: 212 °F /100C
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: 2.0 g/cm ³ (73°F)
Specific Gravity	: > 1

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Solubility : Water: Miscible
Partition Coefficient: N-Octanol/Water : No data available
Viscosity : 2,000 mPas 73°F)

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** No dangerous reaction known under conditions of normal use.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. **Incompatible Materials:** None known.
- 10.6. **Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral) : Not classified
Acute Toxicity (Dermal) : Not classified
Acute Toxicity (Inhalation) : Not classified
Skin Corrosion/Irritation: Not classified **pH:** 7.9
Eye Damage/Irritation: Not classified **pH:** 7.9
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified.
Carcinogenicity: Not classified.

Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified

The possible symptoms known are those derived from the labelling (see section 2).

Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Not classified
Symptoms/Injuries After Skin Contact: Not classified.
Symptoms/Injuries After Eye Contact: Not classified.
Symptoms/Injuries After Ingestion: Not classified.
Chronic Symptoms: Not classified.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology – General : Not classified as harmful to aquatic life.
Hazardous to the Aquatic Environment, Short Term (Acute): Not classified
Hazardous to the Aquatic Environment, Long Term (Chronic): Not classified

12.1. Persistence and Degradability

Phthalo Blue Colorant PBLU	
Persistence and Degradability	Not established.

12.2. Bioaccumulative Potential

Phthalo Blue Colorant PBLU	
Bioaccumulative Potential	Not established.
Silica, amorphous, diatomaceous earth (68855-54-9)	
BCF Fish 1	(no known bioaccumulation)

12.3. Mobility in Soil No additional information available

12.4. Other Adverse Effects

Ozone : Not classified
Other Information : Avoid release to the environment as a best practice.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international

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Safety Data Sheet

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Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. **In Accordance with UN RTDG, IMDG, and IATA**

UN Number: Not regulated for transport

UN Proper Shipping Name: Not applicable

	UN RTDG	IMDG	IATA
UN Proper Shipping Name	Not applicable	Not applicable	Not applicable
Transport Class	Not applicable	Not applicable	Not applicable
Packing Group	Not applicable	Not applicable	Not applicable
Environmental Hazards	Not applicable	Not applicable. Not classified as a marine pollutant	Not applicable

Special Precautions for User: No additional information available.

Transport in bulk According to Annex II of MARPOL and The IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. International Regulatory Lists

15.2 International Agreements: None identified.

15.3 United States Regulations:

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ. **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity:** This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No

SARA Hazards SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: This product contains the following priority pollutants related to the U.S. Clean Water Act:, Copper

TSCA : All components are compliant (listed as Active).

Proposition 65: Not applicable. **Right to Know' State Listings:** Not applicable.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 4/21/2022 Regulatory updates and format update

Data Sources: Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product. It does not represent any guarantee of the properties of the product

Abbreviations and Acronyms:

ACGIH – American Conference of Governmental Industrial Hygienists

AIHA – American Industrial Hygiene Association ATE - Acute Toxicity Estimate

BCF - Bioconcentration Factor

BEI - Biological Exposure Indices (BEI) BOD – Biochemical Oxygen Demand

CAS No. - Chemical Abstracts Service Number COD – Chemical Oxygen Demand

EC50 - Median Effective Concentration

ERG No. (Fire) - IMDG Emergency Schedule Fire

ERG No. (Spillage) - IMDG Emergency Schedule Spillage ErC50 - EC50 in Terms of Reduction Growth Rate

ERG code (IATA) - Emergency Response Drill Code as found in the International Civil Aviation Organization (ICAO)

GHS – Globally Harmonized System of Classification and Labeling of Chemicals

HCLL - Hazard Communication Carcinogen List IARC - International Agency for Research on Cancer IATA - International Air Transport Association

IBC – International Bulk Chemical Code

IMDG - International Maritime Dangerous Goods LC50 - Median Lethal Concentration

LD50 - Median Lethal Dose

LOAEL - Lowest Observed Adverse Effect Level LOEC - Lowest-Observed-Effect Concentration

Log K_{oc} - Soil Organic Carbon-water Partitioning Coefficient Log K_{ow} - Octanol/water Partition Coefficient

Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water

MARPOL – International Convention for the Prevention of Pollution MFAG-No -

Medical First Aid Guide for Use in Accidents Involving Dangerous Goods

NOAEL - No-Observed Adverse Effect Level NOEC - No-Observed Effect

Concentration NTP – National Toxicology Program

OEL - Occupational Exposure Limits

OSHA – Occupational Safety and Health Administration pH – Potential Hydrogen

SADT - Self Accelerating Decomposition Temperature SDS - Safety Data Sheet

SRCL - Specifically Regulated Carcinogen List STEL - Short Term Exposure Limit

ThOD – Theoretical Oxygen Demand TLM - Median Tolerance Limit

TLV - Threshold Limit Value

TPQ - Threshold Planning Quantity TWA - Time Weighted Average UN – United Nations

UN RTDG – United Nations Recommendations on the Transport of Dangerous Goods

VOC – Volatile Organic Compounds

WEEL - Workplace Environmental Exposure Levels