



# SAFETY DATA SHEET

SDS No. 1240 EU

according to Regulation (EC)

No. 1907/2006 as amended

Version 1 Revision Date 12/29/2022

## Section 1 - Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

Trade Name: Cobalt Blue SB40 - Pure Pigments

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

General Use: Coloring Agents, Pigment

Restrictions on Use: None known

### 1.3 Company:

Buddy Rhodes Concrete Products  
5600 Lower Macungie Rd., Macungie, PA 18062

Telephone:

Domestic: 1 (877) 706-5303  
International: (610) 252-5800 (collect calls accepted)

E-mail address:

Visit our website at [www.buddyrhodes.com](http://www.buddyrhodes.com)

### 1.4 Emergency Contact:

Chem-Tel Domestic: 800-255-3924 International: 813-248-0585  
Italy Istituto Superiore di Sanità (ISS) +390649906140

## Section 2 – Hazard(s) Identification

### 2.1 Classification of the substance or mixture

**Classification REGULATION (EC) No 1272/2008 (CLP) as amended**

Not a hazardous substance or mixture.

### 2.2 Label elements

**Labelling REGULATION (EC) No 1272/2008 (CLP) as amended**

Not a hazardous substance or mixture.

Pictogram(s): none

Signal word: none

General Precautions:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## Section 3 - Composition / Information on Ingredients

### 3.1 Substances/Mixtures

No ingredients are hazardous according to Regulation (EC) No 1272/2008.

#### Section 4 - First Aid Measures

##### 4.1 Description of first aid measures

###### **Inhalation**

Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

###### **Eye Contact**

Flush eyes with plenty of water. If irritation persists, seek medical attention.

###### **Skin Contact**

In case of skin contact, wash thoroughly with soap and water.

###### **Ingestion**

Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

##### 4.2 Most important symptoms and effects, both acute and delayed

None known.

##### 4.3 Indication of any immediate medical attention and specific treatment needed

#### Section 5 - Fire-Fighting Measures

##### 5.1 Extinguishing Media

Water Fog, Dry Chemical, and Carbon Dioxide Foam

##### 5.2 Special hazards arising from the substance or mixture

None known.

##### 5.3 Advice for firefighters

Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive-pressure mode.

#### Section 6 - Accidental Release Measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.

##### 6.2 Environmental precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains or unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. No special environmental precautions required.

##### 6.3 Methods and material for containment and cleaning up

Put on appropriate protective gear including approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely.

#### 6.4 Reference to other sections

See Section 3 for list of Hazardous Ingredients; Sections 8 for Exposure Controls; and Section 13 for Disposal.

### Section 7 - Handling and Storage

#### 7.1 Precautions for safe handling

Use good general housekeeping procedures. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet local standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

#### 7.3 Specific end use(s)

These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

### Section 8 - Exposure Controls / Personal Protection

#### 8.1 Control parameters

Exposure Limits: Iron Oxides		
ACGIH TLV	OSHA PEL	NIOSH REL
Total dust: 10 mg/m <sup>3</sup> as Fe (8h) Respirable: 5 mg/m <sup>3</sup> as Fe (8h)	Fumes: 10 mg/m <sup>3</sup> (8h) Respirable dust: 5 mg/m <sup>3</sup> (8h)	5 mg/m <sup>3</sup> as Fe (dust and fumes)

Exposure Limits: Carbon Black	
ACGIH TWA	ACGIH
Long-term exposure limit (8 hour): 3 mg/m <sup>3</sup>	Short-term exposure limit (15-minute):

#### 8.2 Exposure controls

##### Engineering measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

##### Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Skin and body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Protective measures**

Ensure that eye flushing systems and safety showers are located close to the working place.

<b>Section 9 - Physical and Chemical Properties</b>
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**9.1 Information on basic physical and chemical properties:**

<b>Appearance:</b>	Powder	<b>Vapor pressure:</b>	No data
<b>Odor:</b>	Odorless	<b>Vapor density (Air=1):</b>	No data
<b>Odor threshold:</b>	No data	<b>Relative density:</b>	No data
<b>pH:</b>	No data	<b>Solubility:</b>	
<b>Melting / freezing point:</b>	>800°C	<b>Partition coefficient (n-octanol/water):</b>	No data
<b>Low / high boiling point:</b>	No data	<b>Auto-ignition temperature:</b>	No data
<b>Flash Point:</b>	No data	<b>Decomposition temperature:</b>	No data
<b>Evaporation rate:</b>	No data	<b>Viscosity:</b>	No data
<b>Flammability (solid, gas):</b>	No data	<b>Explosive properties:</b>	No data
<b>Upper/lower flammability or explosive limits:</b>	No data	<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b>	2.6

<b>Section 10 - Stability and Reactivity</b>
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**10.1 Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated., No corrosive effect on metal. Not fire propagating.

**10.2 Chemical stability**

These products are stable at room temperature in closed containers under normal storage and handling conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerization cannot occur

**10.4 Conditions to avoid**

None known

**10.5 Incompatible materials**

Strong bases and acids

**10.6 Hazardous decomposition products**

Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

<b>Section 11- Toxicological Information</b>
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**11.1 Information on toxicological effects:****Acute Toxicity****IRON OXIDES**

LD50 Oral Rat &gt;5000 mg/kg

**CARBON BLACK**

LD50 (oral): &gt;8000 mg/kg (Rat)

Eyes (24hr): Non-irritating (Rabbit) Skin (24 hr): Non-irritating (Rabbit)

**Skin Corrosion/Irritation**

Slight

**Serious Eye Damage/Irritation**

No data available

**Respiratory/Skin Sensitization**

No data available

**Germ Cell Mutagenicity**

No data available

**Carcinogenicity**

Carbon Black	IARC Group 2B NTP	Possibly carcinogenic to humans. Reasonably anticipated to be a human carcinogen.
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**Reproductive Toxicity**

No data available

**Specific Target Organ Toxicity – Single Exposure**

No data available

**Specific Target Organ Toxicity – Repeated Exposure**

No data available

**Aspiration Hazard**

No data available

**Potential Health Effects – Miscellaneous**

No data available

## Section 12 - Ecological Information

### 12.1 Toxicity

#### **IRON OXIDES**

LC50 (Fish 96 h): > 10000 mg/L (Danio rerio)

#### **CARBON BLACK**

Fish (Brachydanio rerio): LC50 (96hr)	> 1,000 mg/L. (Method: OECD 203).
Daphnia magna: EC50 (24hr)	> 5,600 mg/L. (Method: OECD 202).
Algae (Scenedesmus subspicatus): EC50 (72hr)	> 10,000 mg/L.
Algae (Scenedesmus subspicatus): NOEC	>= 10,000 mg/L.
Activated sludge: EC0 (3hr)	>= 800 mg/L. (Method: DEV L3 TTC test).

### 12.2 Persistence and Degradability

No data available

### 12.3 Bioaccumulative Potential

No data available

### 12.4 Mobility in Soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other Adverse Effects

No data available

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **Contaminated packaging**

Dispose of as unused product.

## Section 14 - Transport Information

**Not hazardous according to ADR/RID, IMDG, and IATA**

**14.1 UN number:** none

**14.2 UN proper shipping name:** none

**14.3 Transport hazard class(es):** not applicable

**14.4 Packing group:** not applicable

**14.5 Environmental hazards:** none known

**14.6 Special precautions for user:** none known

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** not applicable

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **KEEP OUT OF REACH OF CHILDREN**



**WARNING:** Known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

## 16 - Other Information

### Full text of H-Statements referred to under Sections 2 and 3.

Version 1 Revision Date 12/29/2022

#### Abbreviations and acronyms

ATE - Acute Toxicity Estimate; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006; EINECS - European Inventory of Existing Commercial Chemical Substances  
ELINCS - European List of Notified Chemical Substances; CAS# - Chemical Abstract Service number; PPE - Personal Protection Equipment; Kow - octanol-water partition coefficient; DNEL - Derived No Effect Level; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); NOEC - No Observed Effect Concentration; PNEC - Predicted No Effect Concentration; RMM - Risk Management Measure; OEL - Occupational Exposure Limit; PBT - Persistent, Bioaccumulative and Toxic; vPvB - Very Persistent and Very Bioaccumulative; STOT - Specific Target Organ Toxicity; CSA - Chemical Safety Assessment; EN - European Standard; UN - United Nations; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; WGK - Water Hazard Class

#### Disclaimer

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