



# HBS Integral Color Cobalt Blue

## **Section 1** Product Description

Product Name: HBS Integral Color 1527,1500, 1528  
 Recommended Use: Concrete Pigment / Concrete Additive  
 Supplier: ChemSystems, Inc. 10101 Genard Road Houston, TX 77041  
 P: 800.545.9827 • F: 713.329.9065 [www.chemsystemsinc.net](http://www.chemsystemsinc.net)  
 Emergency Phone: CHEMTRAC 1-800-424-9300

## **Section 2** Hazard identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

### **Classification of the product**

Combustible Dust

### **Signal Word**

Warning

### **Hazard Statements**

May form combustible dust concentration in air.

### **Hazards not otherwise classified**

The product is under certain conditions capable of dust explosion.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

### **Emergency overview**

CAUTION:

Contains a carcinogen.

Avoid inhalation of dusts.

Use with local exhaust ventilation.

Wear suitable protective clothing, gloves and eye/face protection.

## **Section 3** Composition/ Information on Ingredients

	<u>CAS #</u>	<u>OSHA PEL(TWA)</u>	<u>ACGIH(TLV-TWA)</u>	<u>Conc.(wt. %)</u>
<b><u>According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200</u></b>				
Formaldehyde	50-00-0	N/A	N/A	0.0 - < 0.06 %
<b><u>According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200</u></b>				
Dispersant	Trade Secret	N/A	N/A	55.0 - 65.0 %
C.I. Pigment Blue	15 147-14-8	N/A	N/A	30.0 - 40.0 %
Sodium sulfate	7757-82-6	N/A	N/A	3.0 - 7.0 %
Proprietary Copper Compound	Trade Secret	N/A	N/A	1.0 - 5.0 %
Formaldehyde	50-00-0	N/A	N/A	0.0 - < 0.06 %

## **Section 4** First Aid Measures

### **Emergency First Aid Procedures**

**General advice:** Remove contaminated clothing.

**Inhalation:** If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**Skin:** Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**Eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

**Ingestion:** Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

# Safety Data Sheet

## **Section 5 Firefighting Procedures**

**Suitable Extinguishing Media:** dry powder, foam

**Unsuitable Extinguishing Media:** carbon dioxide

**Flash Point (TCC):** Non-combustible

**Flammable Limits (% volume in air for solvents):** LEL=N/A UEL=N/A

**Special Fire Fighting Procedures:**

**Hazards During Fire-Fighting:** Harmful vapors. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

**Protective Equipment for Firefighters:** Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

## **Section 6 Spill or Leak Procedures**

**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Use personal protective clothing.

**Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of. Avoid raising dust.

## **Section 7 Handling and Storage**

**Normal Handling:** Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Closed containers should only be opened in well-ventilated areas.

**Storage:** Keep container tightly closed and dry; store in a cool place.

**Waste Disposal Method:** Dispose of material in accordance with federal, state, and local guidelines.

**Container Disposal:** Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**Special Precautions:** Avoid dust formation. Take precautionary measures against static discharges.

## **Section 8 Protection Information**

**Respiratory Protection:** Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

**Ventilation:** Ventilation recommended.

**Protective Gloves:** Chemical resistant protective gloves

**Eye Protection:** Safety glasses with side-shields. Wear face shield if splashing hazard exists.

**Other Protective Clothing or Equipment:** Coveralls or apron to reduce skin contact and keep personal clothing free of dust.

**Work/Hygienic Practices:** Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

## **Section 9 Physical Data**

**Appearance:** Blue color

**Odor:** odorless

**Odor Threshold:** N/A

**pH:** approx. 9 (10 g/l, 20 °C) (as suspension)

**Freezing/Melting Point:** N/A

**Boiling Point:** N/A

**Flash Point:** N/A

**Evaporation Rate:** The product is a non-volatile solid.

**Specific Gravity:** N/A

**Flammability (solid, gas):** not highly flammable (Directive 92/69/EEC, A.10)

**Lower/Upper Flammability:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** The product is a non-volatile solid.

**Bulk Density:** 15.5 – 16.5 Weight per gallon

**Solubility:** insolubility

**Solubility in water:** miscible

**Partition Coefficient:** N/A

**Auto-ignition Temperature:** N/A

**Decomposition temperature:** N/A

**Viscosity:** N/A

# Safety Data Sheet

## **Section 10                      Reactivity Data**

**Reactivity:** No hazardous reactions if stored and handled as prescribed/indicated.

**Conditions to avoid:** Avoid whirling up the material/product because of the danger of dust explosion. Avoid humidity. Avoid dust formation. Avoid deposition of dust. No conditions known that should be avoided.

**Corrosion to metals:** No corrosive effect on metal.

**Oxidizing properties:** not fire-propagating

**Minimum ignition energy:** > 4 J

**Stability:** The product is stable if stored and handled as prescribed/indicated.

**Incompatibility (Materials to Avoid):** Not reactive

**Hazardous Decomposition (Byproducts):** No hazardous decomposition products if stored and handled as prescribed/indicated.

**Thermal Decomposition:** 230 °C (DSC (DIN 51007)) 419 °C (DSC (DIN 51007))

**Hazardous Polymerization:** None.

## **Section 11                      Toxicity Data**

**Routes of Exposure:** Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### **Acute Toxicity/Effects**

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. The product has not been tested. The statement has been derived from the properties of the individual components.

### **Oral:**

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

The statement for acute oral toxicity was derived from products of similar composition.

### **Inhalation:**

Type of value: LC50

not determined

### **Dermal:**

Type of value: LD50

not determined

### **Assessment other acute effects:**

Assessment of STOT single: Based on the available information there is no specific target organ toxicity to be expected after a single exposure. The product has not been tested. The statement has been derived from the properties of the individual components.

### **Irritation / corrosion:**

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

### **Skin:**

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

The product has not been tested. The statement has been derived from the properties of the individual components.

### **Eye:**

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

The product has not been tested. The statement has been derived from the properties of the individual components.

### **Sensitization:**

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

# Safety Data Sheet

**Aspiration Hazard:**

not applicable

### Chronic Toxicity/Effects

**Repeated dose toxicity:**

Assessment of repeated dose toxicity: No data available.

**Genetic toxicity:**

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

**Carcinogenicity:**

Assessment of carcinogenicity: No data available.

*Information on: Formaldehyde*

*Assessment of carcinogenicity: NTP listed carcinogen The International Agency for Research on Cancer (IARC) has classified formaldehyde as a Group 1 (known) human carcinogen based on epidemiological evidence linking formaldehyde exposure to occurrence of nasopharyngeal cancer and leukemia. Current regulatory information is provided in this MSDS. No adverse health effects are anticipated if recommended personal protective equipment and industrial hygiene practices are used.*

**Reproductive toxicity:**

Assessment of reproduction toxicity: The data available for an assessment of the effect of the substance on reproduction are not sufficient for a proper evaluation.

**Teratogenicity:**

Assessment of teratogenicity: The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

**Symptoms of Exposure**

No significant reaction of the human body to the product known.

## Section 12 Ecological Data

### Toxicity

**Aquatic toxicity:**

Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

**Toxicity to fish:**

LC50 (96 h) > 100 mg/l, Fish

The product has not been tested. The statement has been derived from the properties of the individual components.

**Aquatic invertebrates:**

LC50 (48 h), daphnia

not determined

**Aquatic plants:**

EC50 (72 h), algae

not determined

**Chronic toxicity to fish:**

No data available.

**Chronic toxicity to aquatic invertebrates:**

No data available.

### Microorganisms/Effect on activated sludge

**Toxicity to microorganisms:**

activated sludge/EC50 (0.5 h): > 100 mg/l

The product has not been tested. The statement has been derived from the properties of the individual components.

### Persistence and degradability

**Assessment biodegradation and elimination (H2O):**

Not readily biodegradable (by OECD criteria).

The product has not been tested. The statement has been derived from the properties of the individual components.

**Elimination information:**

50 - 100 % colour reduction (Static test)

The product has not been tested. The statement has been derived from the properties of the individual components.

# Safety Data Sheet

## Additional information

Absorbable organically-bound halogen (AOX):

The product contains according to the formulation, organically bound halogen. It can increase the AOX-value in the water purification plants overflow or if it reaches waters.

The product contains: copper

The heavy metals mentioned are present in complex bound form as substantial constituent of the colourant.

Other ecotoxicological advice:

Do not release untreated into natural waters.

## Section 13 Disposal Information

**Waste Disposal Method:** Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

**RCRA:** not listed.

## Section 14 Transport Information

**UN:** Not Classified

**US DOT:** Not Classified

**UN Shipping Class:** Not Classified

**UN Packing Group:** Not Classified

## Section 15 Regulatory Information

### Federal Regulations

**Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Fire (Combustible Dust);

### State Regulations

#### State RTK

NJ

MA, PA

NJ

MA, NJ, PA

#### CAS Number

147-14-8

7757-82-6

Trade Secret

50-00-0

#### Chemical name

C.I. Pigment Blue 15

Sodium sulfate

Proprietary Copper Compound

Formaldehyde

### **CA Prop. 65:**

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

## Section 16 Additional Information

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

**DISCLAIMER:** Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, manufacturer makes no representations as to the completeness or accuracy thereof.