

# MATERIAL SAFETY DATA SHEET

BLEU TURQUOISE COBALT – Turquoise Cobalt Mineral Pigment

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

### 1.1. Product Identifier

Code: COB-BL-071  
Product Name: Turquoise Cobalt Mineral Pigment  
IC Color: PB 28

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

Use of the Substance/Preparation: Colouring Substance/ Pigment | Artists and Restoration Material

### 1.3. Details of the Supplier of the Safety Data Sheet

Company: Color Rare Ltd 105-1725 Atmec Gatineau, QC J8R 0E7  
Tel/Fax: 1-613-701-5022  
Email: [info@colorare.com](mailto:info@colorare.com)

### 1.4. Emergency Telephone No.:

Canada Contact your local Provincial Poison Centre or 911

<http://www.capcc.ca/>

Ontario: 1-800-268-9017

Quebec: 1-800-463-5060

USA American Association of Poison Control Centers 1-800-222-1222

<http://www.aapcc.org/>

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## SECTION 2: Hazards Identification

NOT NECESSARY

### 2.1. Classification of the substance or mixture

Classification according to EC Regulation 1272/2008:

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to EC Regulation No. 67/548 or No. 1999/45:

The material is not subject to classification according to EC lists.

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### **SECTION 3: Composition/Information on Ingredients**

Chemical Characterization: Cobalt aluminate blue spinel  
Pigment Blue 28, C.I. 77346 CAS 1345-16-0, EINECS 310-193-6

Hazardous Ingredients: NONE

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### **SECTION 4: First-Aid Measures**

Description of the First Aid Measures

After inhalation: Supply fresh air. If required give artificial respiration. Keep patient warm.

If breathing is difficult call a physician. Give artificial respiration in case breathing is not regular or if it has stopped. After skin contact: Wash with soap and rinse with plenty of water. If irritation continues consult a physician.

After eye contact: Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.

After ingestion: Rinse mouth with water and give plenty of water to drink. Consult a physician.

Never give anything by mouth to an unconscious person. Do not induce vomiting.

General information: Seek medical attention in case of complaints.

Most Important Symptoms and Effects, both Acute and Delayed Possible symptoms: Irritates eyes, skin and respiratory system.

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### **SECTION 5: Fire-Fighting Measures**

#### **5.1. Extinguishing media**

Non-flammable product. Use extinguishing media for surrounding fire.

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

Do not inhale fumes

#### **5.3. Advice for firefighters**

Protective equipment: Wear self-contained respiratory protective device.

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### **SECTION 6: Accidental Release Measures**

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

Avoid dust formation.

#### **6.2. Environmental precautions**

No special measures required. The product is not dangerous for the environment.

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

Clean up with appropriate personal equipment.

### **6.4. Reference to other sections**

Any information on personal protection and disposal is given in sections 8 and 13.

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## **SECTION 7: Handling and Storage**

### **7.1. Precautions for safe handling**

Instructions on safe handling: Avoid formation and deposit of dust. Provide adequate ventilation.  
Hygienic measures: Wash hands at the end of work. Preventive skin protection recommended.

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

Storage conditions: Store in a cool and dry place in well sealed packages.  
Requirements for storage areas and containers: No special measures necessary.

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## **SECTION 8: Exposure Controls/Personal Protection**

### **8.1. Control parameters**

Parameters to be controlled (DE): TLV-TWA: 10 mg/m<sup>3</sup>

### **8.2. Exposure controls**

Technical protective measures: While working with the product, the air at the work station has to be controlled and the exposed person observed. Facilities storing or utilizing this material should be equipped with an eyewash facility. Provide adequate ventilation/exhaust system.

Parameters to be controlled (DE): Cobalt metal, dust and fumes: 8-17 % (as Co) Lithium compounds: 2-7 % Additional information: Biological limits:

Cobalt metal, dust and fumes: none

Lithium compounds: none

#### Personal Protective Equipment

General protective measures: Do not inhale dust. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.

Respiratory protection: Dust mask recommended when very dusty (with particle filter P1).

Hand protection: Protective gloves. The glove material has to be impermeable and resistant to the product / substance / preparation.

Protective glove material: Rubber or plastic gloves.

Eye protection: Safety glasses with protective shields (EN 166).

Body protection: Safety shoes.

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## **SECTION 9: Physical and Chemical Properties**

### **9.1. Information on basic physical and chemical properties**

Form: powder  
Color: blue-green  
Odor: odorless  
pH-Value: 10.5  
Melting temperature: >1000°  
Boiling temperature: >1000°  
Flash point: not combustible  
Evaporation rate: not applicable  
Flammability (solid, gas): non-flammable  
Vapor pressure: not applicable  
Vapor density: No information available.  
Solubility in water: insoluble  
Auto-ignition temperature: not applicable  
Viscosity, dynamic: not applicable  
Explosive properties: Product is not explosive.  
Oxidizing properties: no information available  
Density: 4.78 g/cm<sup>3</sup>  
Bulk density: 3.69 kg/l

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## **SECTION 10: Stability and Reactivity**

### **10.1. Reactivity**

There are no reaction risks with other substances in normal conditions of use and storage.

### **10.2. Chemical stability**

The product is stable in normal conditions of use and storage.

### **10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

### **10.4. Conditions to avoid**

None, however the usual precautions used for chemical products should be followed.

### **10.5. Incompatible materials**

Information not available.

### **10.6. Hazardous decomposition products**

Information not available.

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## **SECTION 11: Toxicological Information**

### **11.1. Information on toxicological effects**

ACUTE ORAL TOXICITY (LD50 (rat) > 5 g /kg)

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain, nausea and sickness.

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## **SECTION 12: Ecological Information**

Not hazardous to the environment.

Use this product according to good working practices. Avoid littering. Inform your local governing authorities, should the product reach waterways or sewers.

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## **SECTION 13: Disposal Considerations**

Reuse, when possible.

Ensure that disposal is in compliance with national and local regulations.

Can be eliminated in a controlled dump.

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## **SECTION 14: Transport Information**

NO RESTRICTIONS

### **14.1. UN number**

Not applicable

### **14.2. UN proper shipping name**

Not applicable

### **14.3. Transport hazard class(es)**

Not applicable

### **14.4. Packing group**

Not applicable

### **14.5. Environmental hazards**

Not applicable

### **14.6. Special precautions for user**

Not applicable

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Information not relevant

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## **SECTION 15: Regulatory Information**

This product is not a dangerous substance according to the concerned EEC regulations.

Further information

Listed in:

EINECS (310-193-6), TSCA, AICS (AUS), DSL (CA), ENCS (JP)(1)-267, ECL (KR) KE-07843, PICCS (PH), IECSC (CN)

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## **SECTION 16: Other Information**

The information contained in this document is based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is the responsibility of the user; therefore, users must, comply with the current health and safety laws and regulations. The producer is not liable for improper use of the product.