

SAFETY DATA SHEET

Issuing Date: 05-May-2017

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name: Mr. Cornwall's Creative Colours- Cobalt Blue

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

Recommended use Colorants (pigments and dyestuffs), inorganic

Uses advised against Not applicable

Details of the supplier of the safety data sheet

Manufacturer: OCOOW LLC
Address: PO Box 554
Sopchoppy, FL 32358
Phone Number: (850) 266-7616
For further information, please contact:
Contact Point www.odiesoil.com
Email Address info@odiesoil.com
Emergency telephone number: 1(850) 266-7616

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

In accordance with Regulation (EC) No 1272/2008

Mr. Cornwall's Creative Colours- Cobalt Blue is not a hazardous material under current US Department of Labor definitions. The product contains no substances which, at its given concentration, are considered to be hazardous to health. However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product.

Physical State: Powder.

Color: Blue

Classification of The Substance or Mixture: Not classified.

Signal Word: No signal word.

Hazard Statements: No known significant effects or critical hazards.

Hazard Not Otherwise Classified (HNOC) Precautionary statements: None known.

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

Supplemental label elements: Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.: 1345-16-0 COBALT ALUMINATE BLUE SPINEL - 100%

Composition Comments: This product is the result of high temperature calcination of the component substances. Due to its unique crystalline structure the properties of this finished pigment do not necessarily reflect the properties of the component metals or oxides.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. Give several glasses of water to dilute contents of stomach and call a physician.

Most Important Symptoms/Effects, Acute and Delayed:

Contact with eyes may cause irritation. Inhalation of dusts may cause respiratory irritation. Contact with skin may cause irritation.

General Information: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. No special protective equipment required. Where there is a potential for eye exposure to this substance, an eye wash fountain should be provided within the immediate work area for emergency use.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: No information available

Special hazards arising from the chemical: None known.

Special Protective Equipment for Fire-Fighters: Use protective equipment appropriate to surrounding materials

Fire-Fighting Equipment/Instructions: Not a fire hazard.

Specific Methods: Not established.

General Fire Hazards: This product is not flammable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material.

Methods and materials for containment and cleaning up

Avoid dust formation. Following product recovery, flush area with water. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

Environmental precautions

Do not discharge into drains, water courses or onto the ground

7. HANDLING AND STORAGE

Precautions for Safe Handling: Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Keep formation of airborne dusts to a minimum. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in closed original container in a dry place. Room temperature - normal conditions. Use care in handling/storage. Keep in properly labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Metals: COBALT METAL, DUST AND FUMES

Type: PEL

Value: 0.1 mg/m³

Percent: 30 - 40%

Form: (as Co) Dust and fume.

US. ACGIH Threshold Limit Values:

Metals: COBALT METAL, DUST AND FUMES

Type: TWA

Value: 0.02 mg/m³

Percent: 30 - 40%

Form: (as Co)

US. NIOSH: Pocket Guide to Chemical Hazards:

Metals: COBALT METAL, DUST AND FUMES

Type: TWA

Value: 0.05 mg/m³

Percent: 30-40%

Form: (as Co) Dust and fume

Biological limit values /ACGIH Biological Exposure Indices:

Metals: COBALT METAL, DUST

Value: 15 µg/l (Urine) /1µg/l(Blood)

Form: (as Co)

Determinant: Cobalt

Specimen: Urine/Blood

Sampling Time: (For sampling details, please see the source document)

Appropriate engineering controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

levels below recommended exposure limits.

Individual Protection Measures, Such As Personal Protective Equipment:

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection:

Hand Protection: Rubber or plastic gloves. PVC disposable gloves. Use impervious gloves.

Other: Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not

been established), an approved respirator must be worn. Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever work place conditions warrant a respirator's use. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. MSHA/NIOSH respirators approved for dusts TC-21C or NIOSH approved cartridges for Non-oil aerosols, N95,

N99, N100 (42 CFR 84).

Thermal Hazards: Not applicable.

General Hygiene\Considerations:

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder

Physical State: Solid

Form: Powder

Color: blue

Odor: None

Odor Threshold: Not available

Ph: 8.8

Melting Point/Freezing Point: Not applicable

Initial Boiling Point and Boiling Range: Not applicable

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability (Solid, Gas): Not applicable

Upper/Lower Flammability or Explosive Limits:

Flammability Limit - Lower (%): Not applicable

Flammability Limit - Upper (%): Not applicable

Explosive Limit - Lower (%): Not available

Explosive Limit - Upper (%): Not available

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Relative Density: Not available

Solubility (ies):

Solubility (Water): Negligible

Partition Coefficient:

(n-octanol/water): Not applicable

Auto-Ignition Temperature: Not applicable

Decomposition Temperature: Not applicable

Viscosity: Not applicable

Other Information:

Specific Gravity: 4.2

Loose Packing Density: Not available

10. STABILITY AND REACTIVITY

Reactivity: Not available

Chemical Stability: Stable under normal temperature conditions and recommended use.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: None known

Incompatible Materials: None known

Hazardous Decomposition Products: No hazardous decomposition products are known.

11. TOXICOLOGY INFORMATION

Information on likely routes of exposure:

Ingestion: No adverse effects due to ingestion are expected.

Inhalation: May cause irritation to the respiratory system.

Skin contact: Contact with skin may cause irritation.

Eye contact: May irritate eyes.

Symptoms related to the physical, chemical and toxicological characteristics:

Product dust may be irritating to eyes, skin and respiratory system.

Information on toxicological effects:

Acute toxicity: May cause respiratory irritation. May be slightly irritating to skin and eyes.

Components: COBALT ALUMINATE BLUE SPINEL (CAS 1345-16-0)

LD50 Rat

Acute:

Inhalation LD50 (Species-Rat)-Test Results (Not Tested)

Oral LD50 (Species-Rat)-Test Results (> 10000 mg/kg)

Skin corrosion/irritation: Contact with skin may cause irritation.

Serious eye damage/eye irritation: May irritate eyes.

Respiratory or skin sensitization:

Respiratory sensitization: No data available

Skin sensitization: No data available

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity:

IARC Monographs. Overall Evaluation of Carcinogenicity:

COBALT COMPOUND (CAS 7440-48-4) 2B possibly carcinogenic to humans.

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

Chronic effects: No data available

Further information: Repeated overexposure to this compound may cause eye, skin and respiratory tract irritation. Some compounds of the metals used in the manufacturing of this material have demonstrated various toxic properties. However, there is no evidence that this material has these toxic characteristics. This product is the result of high temperature calcination of the component substances. Due to its unique crystalline structure the properties of this finished material do not necessarily reflect the properties of the component metals or oxides.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not expected to be harmful to aquatic organisms.

Persistence and degradability: The product is not expected to be biodegradable.

Bio accumulative potential: The product does not contain any substances expected to be bio accumulating.

Mobility in soil: No data available

Mobility in general: No data available.

Other adverse effects: None know

13. DISPOSAL CONSIDERATIONS

Disposal instructions: All wastes must be handled in accordance with local, state and federal regulations.

Hazardous waste code: Not regulated

Waste from residues / unused products: Dispose of in accordance with local regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

15. REGULATORY INFORMATION

US Federal Regulations:

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard categories:

Immediate Hazard: Yes

Delayed Hazard: Yes

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

SARA 302 Extremely Hazardous Substance: No

SARA 311/312 Hazardous Chemical: Yes

SARA 313 (TRI Reporting):

Chemical Name: COBALT COMPOUND *100% by wt.*

CAS number: 7440-48-4

Other Federal Regulations:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:

COBALT COMPOUND (CAS 7440-48-4)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Not regulated

Safe Drinking Water Act:

(SDWA):

Not regulated

US State Regulations:

US. Massachusetts RTK - Substance List:

COBALT COMPOUND (CAS 7440-48-4)

US. New Jersey Worker and Community Right-to-Know Act:

COBALT COMPOUND (CAS 7440-48-4) 500 LBS

US. Pennsylvania RTK - Hazardous Substances:

COBALT COMPOUND (CAS 7440-48-4)

US. Rhode Island RTK:

COBALT COMPOUND (CAS 7440-48-4)

US. California Proposition 65:

Not Listed

International Inventories:

Country(S) or Region Inventory Name On Inventory (Yes/No)*:

Australia Australian Inventory of Chemical Substances (AICS) Yes

Canada Domestic Substances List (DSL) Yes

Canada Non-Domestic Substances List (NDSL) No

China Inventory of Existing Chemical Substances in China (IECSC) Yes

Europe European Inventory of Existing Commercial Chemical Substances (EINECS) Yes

Europe European List of Notified Chemical Substances (ELINCS) No

Japan Inventory of Existing and New Chemical Substances (ENCS) Yes

Korea Existing Chemicals List (ECL) Yes

New Zealand New Zealand Inventory Yes

Philippines Philippine Inventory of Chemicals and Chemical Substances Yes (PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION

Issue Date: 05-May-2017

Disclaimer and/or Comments

The information in this SDS (Safety Data Sheet) was obtained from sources we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy.

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