



Safety Data Sheet-10k525

1 – PRODUCT IDENTIFICATION

Product Name: 10K525 COBALT BLUE
Product Number: 1303005
Product Use: Coloring agents, Pigments

DATE PREPARED: 5-12-15

COMPANY: Delta Performance Products
9126 Industrial Blvd Covington GA 30014
(678)729-9330

EMERGENCY PHONE: (800) 424-9300 (CHEMTREC)

International call: 703-527-3887 (collect calls accepted)

2 – HAZARDS IDENTIFICATION

Classification of the chemical in accordance with Standard 29 CFR 1910.1200 (US-GHS)

Not classified

Label Elements (Hazard Communication Standard 29 CFR 1910.1200 (US-GHS))

Signal Word: None: Non Hazardous

GHS Pictogram(s)

Precautionary Statement: None known

GHS Health Classification: None known

GHS Physical Classification: None known

GHS Environmental Class: None known

EU Statement: None known

3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical names	CAS No	Concentration
Cobalt Aluminate Blue Spinel	1345-16-0	100

Substance/Mixture: Substance

Synonym: CI Pigment Blue 28

CI Constitution #77346

CPMA 13-26-2



4 – FIRST-AID MEASURES

Description of first aid measures

In case of inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

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

In case of eye: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs, get medical advice.

In case of ingestion: Rinse mouth. Do not induce vomiting unless directed to do so by a physician. If you feel unwell, seek medical attention.

Most important symptoms/effects both acute and delayed: Not expected to present a significant hazard under anticipated conditions of normal use.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically and supportively

5 – FIRE-FIGHTING MEASURES

Extinguishing Media: Suitable extinguishing media: Foam, water spray, dry chemical powder, carbon dioxide, or sand

Unsuitable extinguishing media: Do not use a heavy water stream

Flash point: Not applicable

Auto ignition temperature: Not applicable

Specific protective equipment and procedures for firefighters: Wear self contained breathing apparatus and protective clothing

Specific chemical hazards: None

6 – ACCIDENTAL RELEASE MEASURES

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

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

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

7 – HANDLING and STORAGE

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

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.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits
OSHA PEL



Safety Data Sheet-10k525

Cobalt dust and fumes: .01mg/m³ 30-40% (as Co) dust and fume

USACGIH TWA

Cobalt dust and fumes: 0.02mg/m³ 30-40% (as Co)

US NIOSH

Cobalt dust and fumes: .05mg/m³ 30-40% (as Co) dust and fume

Appropriate engineering controls: If needed use local exhaust ventilation to keep dust concentration below limits cited in this Section.

Personal Protective Equipment

Respiratory Protection: Use a properly fitted particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator. Wear a respirator conforming to EN140 with type A/P2 filter or better.

Eye/Face protection: Wear appropriate chemical safety glasses/goggles.

Hand/Skin Protection: Wear appropriate protective gloves and clothing.

General Hygiene Considerations: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

9 – PHYSICAL / CHEMICAL PROPERTIES

Appearance: BLUE POWDER

Physical State: solid

Color: Blue

Odor: Odorless

pH: 8.8

Melting Point: NA

Boiling Point: NA

Flash point: Not applicable

Flammability (solid,gas): Not flammable

Explosive Properties: Not explosive

Vapor Pressure: Not applicable

Vapor Density (AIR=1): Not applicable

Density: 4.2 g/cm³

Solubility in water: Insoluble

Partition Coefficient (n-octanol/water): NOT APPLICABLE

Auto-ignition temperature: Not applicable

Viscosity: Not applicable

10 – STABILITY and REACTIVITY

Reactivity: No hazardous reaction known under normal conditions of use

Chemical Stability: Stable under normal conditions

Hazardous Reactions: Stable under normal conditions

Conditions to avoid: NA

Incompatible materials: no known incompatible materials

Hazardous Decomposition.: na

11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: yes



Safety Data Sheet-10k525

Acute Oral Toxicity: LD50 oral, rat: >10000 mg/kg

Acute Inhalation Toxicity: Based on available data the classification criteria are not met

Chronic Toxicity: Based on available data, the classification criteria are not met

Irritation: Contact with skin may cause irritation. May irritate eyes. Repeated overexposure to this compound may cause eye, skin and respiratory tract irritation.

Sensitization: Non-sensitizing

Mutagenicity: Non-mutagenic

Carcinogenicity: Cobalt Compound CAS 7440-48-4: 2B Possibly carcinogenic to humans.

*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.

Reproductive toxicity: No known significant effects or critical hazards on reproduction.

Aspiration hazard: Not applicable

12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not expected to be harmful to aquatic organisms

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

Bioaccumulative potential: The product does not contain any substances expected to be bioaccumulating.

Mobility in soil: Not applicable

Results of PBT and vPvB assessment: The substance does not meet the criteria to be identified as PBT or vPvB

13 –DISPOSAL CONSIDERATIONS

Disposal considerations: Dispose in a safe manner in accordance with local / state / Federal regulations. Avoid release to the environment.

It is responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

14 – TRANSPORTATION INFORMATION

DOT: Not regulated, not dangerous good.

Transport by sea (IMO / IMDG): Not regulated. Not dangerous good

Air transport (ICAO/ IATA): Not regulated. Not dangerous good

15 - REGULATIONS

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SRA Title III Chemical Listings:

US Federal Regulations

TSCA Status: not regulated



Safety Data Sheet-10k525

SECTION 302: None

SECTION 312

Acute: yes

Chronic: yes

Fire: None

Pressure: none

Reactive: None

SARA 313: Yes:

Cobalt Compound: CAS-7440-48-4 100%

Clean Water Act: not applicable

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

FDA: NA

US State Regulations

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 regulations

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 (PICCS) Yes

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

16 – OTHER INFORMATION



Safety Data Sheet-10k525

Additional Information: This Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HCS-2012) and its adaptation of United Nations 'Globally Harmonized System of Classification and Labeling of Chemicals (GHS). This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

DISCLAIMER OF LIABILITY: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.