

### Section 1: Identification

**Product Name:** Akron Ultra™ Cobalt Blue Dye

**Manufacturer:** Zero-D Products, Inc.  
37939 Stevens Blvd.  
Willoughby, OH 44094  
Phone: (440) 942-5005

**Recommended Use:** Colorant for industrial applications

### Section 2: Hazard(s) Identification

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Classification of the substance or mixture:** COMBUSTIBLE DUSTS

#### GHS label elements

**Signal word:** Warning

**Hazard statement:** May form combustible dust concentrations in air.

**Inhalation:** Repeat or prolong inhalation of dust may lead to chronic respiratory irritation.

**Skin:** May cause mechanical irritation (abrasion).

**Eyes:** May irritate the eyes by mechanical effect.

**Ingestion:** None known significant effects or critical hazards.

#### **Routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. However, ingestion is not likely to be a primary route of occupational exposure.

#### **Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### Section 3: Composition/Information on Ingredients

Chemical Name	Identification number CAS-No	
C. I. Pigment Blue 15:3	147-14-8	80-100 %

### Section 4: First-Aid Measures

**General information:** remove severely contaminated clothing and clean before reuse.

**After inhalation:** If difficulty breathing after dust has been inhaled, remove to fresh air and seek medical attention.

**After skin contact:** Gently wash with plenty of soap and water. In the event of any complaints or symptoms, avoid further exposure.

**After eye contact:** Rinse open eye for 15 minutes under running water. If symptoms persist consult a doctor.

**After swallowing:** Rinse mouth with water, give subject liquids to drink and do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If symptoms persist, consult a doctor.

## Section 5: Fire-Fighting Measures

### Extinguishing Media

**Hazardous thermal decomposition products:** Decomposition products may include the following materials: Carbon dioxide, Carbon Monoxide, nitrogen oxides, metal oxide/ oxides.

**Suitable extinguishing agents:** Use dry chemical powder.

**Special hazards arising from the substance or mixture** Not considered flammable, but the packaging may burn. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

**Use all necessary protective fire-fighting equipment such as gloves, face shield, respirator**  
Additional information

Collect contaminated firefighting water separately. It must not enter the sewer system. Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

## Section 6: Accidental Release Measures

Ensure adequate ventilation.

Hazard slipping on spilt product.

### Environmental precautions:

Prevent seepage into sewage system, workpits and cellars. Do not allow water to reach sewage system or any water course. Keep contaminated washing water and dispose of appropriately. Even at low concentration this product renders the discharge of liquid effluent highly visible.

**Small spill:** Ensure adequate ventilation. Stop leak if without risk. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Dispose of via a licensed waste disposal contractor.

**Large spill:** Ensure adequate ventilation. Stop leak if without risk. Pick up and arrange disposal without creating dust. Avoid creating dusty conditions and prevent wind dispersal. Sweep up and shovel. Keep in suitable, closed containers for disposal. Dispose of via a licensed waste disposal contractor. Clean the affected area carefully; suitable cleaners are: Warm water and cleansing agent.

## Section 7: Handling and Storage

### Handling:

#### Precautions for safe handling

Open and handle receptacle with care. Prevent formulation of dust. Provide suction extractors if dust is formed. Ensure good ventilation/ exhaustion at the workplace. Use appropriate industrial vacuum cleaners or central vacuum systems for dust removal. Any deposit of dust which cannot be avoided must be regularly removed.

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

**Storage:** Store in accordance with local regulations.

#### Requirements to be met by storerooms and receptacles:

Pigments should not be stored in outside areas exposed to the weather.

Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**Store away from foodstuffs.**

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

Handle in accordance with good industrial hygiene and safety practice. Ensure that proper housekeeping measures are in place. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Vacuum clean any contaminated clothing. Do not inhale dust / smoke or mist.

**Ventilation:** Provide general ventilation and/ or local exhaust if necessary.

**Respiratory Protection:** If ventilation is not adequate a respirator may be used. Dust protection mask. For nuisance exposures use type P95 (US) particulate respirator

**Protective Clothing/Equipment:** Wear protective gloves impervious to dust to prevent prolonged or repeated skin contact.

**Eye Protection:** Wear safety glasses with side shields and/or face shield/ chemical goggles during handling to avoid eye contact.

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

**Appearance:**

**Form:** Solid Powder

**Color:** Blue

**Particle shape:** Spherical

**Odor:** Odorless

**Relative Density:** 1.61

### **Section 10: Stability and Reactivity**

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

**Chemical Stability:** Product is stable.

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**Conditions to avoid:** Situations which cause dusting. Prevent dust accumulation.

**Incompatible materials:** Reactive or incompatible with the following materials:

OXIDIZING MATERIALS

**Decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced

### Section 11: Toxicological Information

**Inhalation:** Not known significant effects or critical hazards

**Ingestion:** Not known significant effects or critical hazards

**Skin:** Not known significant effects or critical hazards

**Chronic Effects:** Repeat prolonged inhalation of dust may lead to chronic respiratory irritation. Prolonged inhalation of iron oxide dust is known to produce condition given as siderosis. On X-rays it appears to be pneumoconiosis and it is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica.

**NTP (National Toxicology Program):** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Section 12: Ecological Information

**Toxicity:** This product has not been tested.

**Persistence and degradability:** This product has not been tested.

**Bioaccumulative potential:**

**Product name:** C. I. Pigment Blue 15:3

**LogP aw:** 6.6

**Potential:** High

**Other adverse effects:** No known significant effects or critical hazards

### Section 13: Disposal Considerations

**Waste treatment methods**

**Recommendation:**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local requirements.

*Dispose of in accordance with local, state and federal regulations.*

Incineration or landfill should only be considered when recycling is not feasible.

**Hazardous Waste:**

This product is not considered as hazardous waste per 40 CFR 261.24 or 261.33

If material is contaminated and can't be used or chemically reprocessed dispose at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recovery Act (RCRA).

Do not dump in sewer.

#### **Section 14: Transport Information**

**Non Hazardous by road, air, rail or sea**

**No special handling needed.** For transportation purposes, this product is non-hazardous according to the US Department of Transportation code of Federal Regulations Title 49.

**Transportation/ additional information:** Keep away from food stuffs.

#### **Section 15: Regulatory Information**

**TSCA 8(b) inventory:** Listed

**US Federal Regulations: Clean Water Act (CWA) 307:** C.I. Pigment Blue 15:3

**Clean Water Act- Priority Pollutants (PP):** This product does not contain any priority pollutants defined by 40 CFR 401.15

**Resource Conservation and Recovery Act (RCRA):** This product is not a hazardous waste as defined by 40 CFR 261.33

This product does not contain chemicals regulated under DHS

#### **Section 16: Other Information**

Created on 11/30/2024 by

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