

BRILLIANT CRESYL BLUE

Safety Data Sheet

Emergency Telephone Number: CHEMTREC 1-800-424-9300 For Information call: DUDLEY 732-886-3100

DUDLEY CORPORATION

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Lakewood, New Jersey 08701

Effective Date: January 1, 2016

1. PRODUCT IDENTIFICATION: **Synonyms:** Brilliant Blue C **CAS No.:** 81029-05-2 **E-C No.:** 279-675-0
Molecular Weight: 385.96g/mol **Chemical Formula:** C₁₇H₂₀ClN₃O_{0.5} ZnCl₂

2. HAZARDS IDENTIFICATION: **GHS Classification:** Skin irritation (Category 2) Eye irritation (Category 2A)
Specific target organ toxicity - single exposure (Category 3)



Pictogram:

Signal Word: WARNING

HAZARD STATEMENT(S): H319: Causes serious eye irritation. H315: Causes skin irritation

H335: May cause respiratory irritation

PRECAUTIONARY STATEMENT(S): P261: Avoid breathing dust/spray/ fume/gas/ mist/ vapors.

P264: wash skin thoroughly after handling P271: Use only outdoors or in well-ventilated area. P405: Store locked up.

P280: Wear protective gloves/eye & face protection P302 + P352: If on Skin: wash with plenty of soap & water.

P304 + P340: If inhaled: remove to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do so. Continue Rinsing. P312: Call a poison center or doctor/physician if you feel unwell.

P321: Specific treatment (see supplemental first aid instructions)

P332 + P313: If skin irritation occurs: consult physician P337 + P313: If eye irritation occurs: consult physician

P362: Take off contaminated clothing and wash before reuse. P403 + P233: Store in a well ventilated place. Keep container tightly closed. P501: Dispose of contents/container to an approved waste disposal plant.

HMIS Classification: Health hazard 2, Flammability 0, Physical hazards 0

NFPA Rating: Health hazard 2, Fire 0, Reactivity hazard 0

Potential Health Effects: **Eye:** Risk of serious damage to eyes. **Skin:** Harmful in contact with skin.

Ingestion: Harmful if swallowed.

Inhalation: Harmful by inhalation.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical Name	CAS No.	Percent
Brilliant Cresyl Blue	81029-05-2	>60%

4. FIRST AID MEASURES: **Eyes:** rinse immediately with plenty of water **Skin:** Rinse with plenty of soap & water

Ingestion: Do not induce vomiting without medical advice. Rinse with water. Consult physician.

Inhalation: Move to fresh air. **Notes to Physician:** Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES: **Info:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. **Special Hazards:** Carbon & nitrogen oxides, hydrogen chloride gas, zinc/zinc oxides.

Extinguishing: use water spray to cool fire exposed containers. Use water spray, dry chemical, Carbon dioxide, or alcohol-resistant foam. **Flash Pt:** Not applicable. **Auto-ignition Temp:** Not applicable. **Explosion Limits:** Not available.

6. ACCIDENTAL RELEASE MEASURES: **Info:** Use proper PPE as indicated in Section 8.

Spills: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE: **Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Store protected from light. **Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from light.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION: **Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

Chemical Name	ACGIH	NIOSH	OSHA – Final/Vacated PEL's
Brilliant Cresyl Blue	None listed	None listed	None listed

PPE: **Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure. 0.11mm thick nitrile

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES: **Appearance:** Dark Green Powder **Melting Point:** 233-236°C (451-457°F)

10. STABILITY AND REACTIVITY: **Stability:** Stable at room temp. in closed containers under normal storage and handling conditions. **Avoid:** Incompatible materials, light, dust generation, excess heat.

Incompatibilities: Strong oxidizing agents. **Hazardous Decomposition Products:** See section 5

11. TOXICOLOGICAL INFORMATION: **RTECS:** unlisted. **LD50/LC50:** Not available.

Carcinogenicity: CAS# 81029-05-2 : Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Other Studies: Inhalation may cause respiratory irritation

12. ECOLOGICAL INFORMATION: **Fate/Toxicity:** No information available.

13. DISPOSAL CONSIDERATIONS: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. **RCRA U-Series:** None listed.

14. TRANSPORT INFORMATION: Not regulated.

15. REGULATORY INFORMATION: **SARA 311/312:** Acute Health Hazard

CERCLA Haz. Substances & corresponding RQ/TPQs None of the chemicals in material have an RQ/TPQ.

Section 313 This material contains 1,3-Diamino-7-(diethylamino)-4-methylphenoxazin-5-ium tetrachlorozincate (2:1)

CAS#81029-05-2 Revision 07/01/07 which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

STATE CAS# 81029-05-2 is not present on state lists from CA, MN, MA, FL.

Pennsylvania Right to Know: 1,3-Diamino-7-(diethylamino)-4-methylphenoxazin-5-ium tetrachlorozincate (2:1)

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New Jersey Right to Know: 1,3-Diamino-7-(diethylamino)-4-methylphenoxazin-5-ium tetrachlorozincate (2:1)

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California No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN/INTERNATIONAL REGULATIONS European Labeling in Accordance with EC Directives

Hazardous Symbols: XI WGK (Water Danger/Protection) CAS# 81029-05-2: No information available.

Canada - DSL/NDSL CAS# 81029-05-2 is not listed on Canada's DSL List. **Canada - WHMIS** This product has a WHMIS classification of D2B. CAS# 81029-05-2 is not listed on Canada's Ingredient Disclosure List.

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