

Burnham Petrographics, LLC

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier	PETROPOXY 154 BLUE DYE
Issue date	January 1, 2023
Recommended Use	This product is used as a colorant; it is to be added to Petropoxy 154 Resin following instructions provided for the purpose of impregnating and stabilizing rocks in a laboratory setting. Burnham Petrographics LLC is not able to recommend this material as safe and effective for other uses.
Recommended Restrictions	No data
Supplier information	Burnham Petrographics, LLC 5029 W. Lodestar Ave. Rathdrum, ID 83858 USA
Emergency telephone number	208-687-5951

2. HAZARDS IDENTIFICATION

Hazard risk classification	Acute toxicity, oral - category Acute toxicity, dermal - category Skin irritation - category Serious eye damage - category
Label information pictogram	Hazard symbols not required
Signal word	N/A
Hazard risk statement	Harmful if swallowed. Harmful if inhaled. Possible skin irritation with repeated or prolonged contact Possible eye irritation with repeated or prolonged contact
Precautionary statement Prevention	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and eye/face protection. Avoid breathing powder. Avoid release into the environment.
Precautionary statement Response	If SWALLOWED: Immediately induce vomiting. Drink large quantities of water. Obtain immediate medical attention. If INHALED: Remove to fresh air. Administer oxygen as necessary if breathing is difficult. If conscious, irrigate nasal passages with water. If not breathing give artificial respiration. Obtain immediate medical attention. If ON SKIN: Flush affected area with plenty of water. If IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage.
Precautionary statement Storage	Keep container tightly closed and store in a cool place.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight %
Orasol™ Blue 855/Solvent Blue 70	94277-77-7	100

4. FIRST AID MEASURES

Eye contact	Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical attention.
Skin contact	Immediately remove contaminated clothing, wash with plenty of water.
Inhalation	Move person to fresh air area and provide oxygen if breathing is difficult. If breathing has stopped, perform artificial respiration. Seek medical attention.
Ingestion	Induce vomiting. Drink large quantities of water. Seek medical attention immediately.
Notes to physician	Treat symptomatically.
General advice	Get medical attention if any discomfort develops.

5. FIRE FIGHTING MEASURES

Personal precautions, protective equipment	Remove all sources of ignition. Use personal protective equipment.
Suitable extinguishing media	Dry chemical, carbon dioxide, foam. Do not use water.
Unsuitable extinguishing media	No data
Specific hazards arising from the chemical	No data
Special protective equipment and precautions for firefighters	Isolate from electrical equipment, sparks and open flames. Firefighters should be equipped with butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid skin contact or inhalation.
Environmental precautions	Store away from water supply and drainage.
Methods for containment	Store in original container and dispense with ladle provided. Do not allow dust/powder to become airborne.
Release measures	Keep away from open flames and sources of ignition. Small spills: sweep and place into closeable container for disposal.
Methods for cleaning up	Large spills: Not applicable

7. HANDLING AND STORAGE

Precautions for safe handling	Keep container tightly closed when not in use.
Conditions for safe storage	Avoid contact with skin and eyes. Keep away from flame and spark. Store in a cool, dry area.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Domestic regulation	No data
ACGIH (TLV)	No data
OSHA (PEL)	No data
NIOSH (REL)	No data
NIOSH (IDLH)	No data
ACGIH	No data
Appropriate engineering controls	Provide adequate ventilation and minimize the risk of inhalation of powder.
Respiratory protection	Never exceed the national Occupational Exposure Limit. Use local exhaust ventilation or handle in a ventilated area.
Eye protection	Wear safety glasses.
Hand protection	Use chemical resistant gloves.
Skin protection	Wear suitable protective clothing (long sleeves recommended).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Powder
Color	Dark blue
Odor	Odorless
Odor threshold	No data
pH	No data
Melting point	167°C
Decomposition point or range	> 240°C
Flash point	No data
Evaporation rate	Not applicable
Flammability (solid, gas)	No data
Upper/lower flammability	No data
Vapor pressure	Not applicable
Solubility (in water @ 80C)	Insoluble
Vapor density	Not applicable
Specific gravity	1.69 (H2O = 1)
Partition coefficient	No data
Auto-Ignition temperature	No data

10. STABILITY AND REACTIVITY

Chemical stability	Stable at normal conditions
Possibility of hazardous reactions	No data
Conditions to avoid	No data
Incompatible materials	Oxidizing and reducing agents may destroy color
Hazardous decomposition products	May produce hazardous nitrogen oxides and carbon oxides

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure:	
by respiratory organ	May cause coughing, sneezing and upper respiratory tract irritation
by mouth	Possible irritation, nausea or diarrhea
by skin contact	Possible skin irritation with repeated or prolonged contact
by eye and contact	Possible eye irritation with repeated or prolonged contact

12. ECOLOGICAL INFORMATION

Product data	No data
Component data	No data
Mobility	No data
Environmental effects	Harmful to aquatic life with long lasting effects. Avoid release into the environment.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Dispose in accordance with all applicable federal state and local regulations.
Waste from residues unused products	Dispose in accordance with all applicable federal state and local regulations.
Contaminated packaging	Dispose in accordance with all applicable federal state and local regulations.

14. TRANSPORT INFORMATION

	No special information for transport

15. REGULATORY INFORMATION

SARA 311/312	Information	Status
	Chronic health hazard	None
	Acute health hazard	None
	Fire hazard	None
	Sudden pressure	None
Section 302	Extremely hazardous material	None
CERCLA	Hazardous substance	None
Section 313	Toxic chemicals	None

16. OTHER INFORMATION

HMIS Hazard rating:	Health = no data;	Fire = no data;	Reactivity = no data
Issuing date	January 1, 2017		
Revision number	001		
Revision date	January 1, 2023		

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