Burnham Petrographics, LLC

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier	**PETROPOXY 154 CURING AGENT**
Issue date	January 1, 2023
Recommended Use	This product is used as an epoxy curing agent; it is to be mixed with Petropoxy 154 Resin following instructions provided. Petropoxy 154 thin section epoxy was developed for the sole purpose of adhering rocks to glass slides and/or 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 4 Acute toxicity, dermal - category 4 Skin irritation - category 2 Serious eye damage - category 1
Label information pictogram	
Signal word	Danger
Hazard risk statement	Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye damage.
Precautionary statement **Prevention**	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Avoid breathing fumes/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release into the environment.
Precautionary statement **Response**	If SWALLOWED: Call a poison control center or physician if you feel unwell. Rinse mouth. If ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.
Precautionary statement **Storage**	Store in a well ventilated place.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight %
Boron Trifluoride complex	Trade Secret	10 - 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 or shoes, wash with plenty of water for at least 15 minutes.
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	Do not induce vomiting because of risk of aspiration. Rinse mouth with water. Consult a physician if effects occur.
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, water, foam.
Unsuitable extinguishing media	No data
Specific hazards arising from the chemical	In case of fire, toxic fumes might be formed. (No BF3 will be released).
Special protective equipment and precautions for firefighters	Isolate from heat, electrical equipment, sparks and open flames. Firefighters should e equipped with butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use protective equipment as required. Avoid skin contact or inhalation.
Environmental precautions	Store away from water supply and drainage.
Methods for containment	Stop leak if you can do so without risk. Ventilate the spill area. Dike the spilled material where this is possible.
Release measures	Keep away from open flames, hot surfaces and sources of ignition. Small spills: Absorb spillage with non-combustible absorbent material.
Methods for cleaning up	Large spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Wash area with soap and water.

7. HANDLING AND STORAGE

Precautions for safe handling	Keep in a cool, well-ventilated place and keep container closed.
Conditions for safe storage	Avoid contact with skin and eyes. Use with adequate ventilation. Keep away from heat, flame, spark and high temperature. Store in a cool, dry area.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Domestic regulation	No data
ACGIH (TLV)	No data
OSHA (PEL) NIOSH (REL)	No data No data
NIOSH (IDLH) ACGIH	No data No data
Appropriate engineering controls	Provide adequate ventilation and minimize the risk of inhalation of vapors and mists.
Respiratory protection	Never exceed the national Occupational Exposure Limit. Use local exhaust ventilation or handle in a ventilated area.
Eye protection	Wear safety glasses. If there is a splash risk, wear safety goggles or face shield.
Hand protection	Use chemical resistant gloves.
Skin protection	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Light Amber
Odor	No data
Odor threshold	No data
pH	No data
Melting point/freezing point	No data
Initial boiling point and boiling range	≥ 200ºC
Flash point	No data
Evaporation rate	No data
Flammability (solid, gas)	No data
Upper/lower flammability	No data
Vapor pressure	<0.1 mm Hg (25ºC)
Solubility	No data
Vapor density	No data
Relative density	1.3
Partition coefficient	No data
Auto-Ignition temperature	No data
Viscosity	16,000 - 45,000 cps

10. STABILITY AND REACTIVITY

Chemical stability	Stable at normal conditions
Possibility of hazardous reactions	No data
Conditions to avoid	Excessive heating or ignition sources
Incompatible materials	Mineral acids, amines, bases, oxidizing agents
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 respiratory organ irritation
by mouth	No data
by skin contact	May cause skin irritation
by eye and contact	May cause serious eye damage

12. ECOLOGICAL INFORMATION

Product data	No data
Component data	No data
Mobility	No data
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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

IATA	Corrosive Liquids, N.O.S. (amine), 8, UN 1760, PG III
IMDG/IMO	Corrosive Liquids, N.O.S. (amine), 8, UN 1760, PG III
DOT	Corrosive Liquids, N.O.S. (amine), 8, UN 1760, PG III

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

HMIS Hazard rating:	Health = 2;	Fire = 1;	Reactivity =0
Issuing date	January 1, 2017		
Revision number	002		
Revision date	January 1, 2023		