

Safety Data Sheet

Control Number: 907-050

Ferangi Blue Chromogen, intelliPATH Ferangi Blue Chromogen, FB813CH, IPC5025

January 22, 2018

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1. Product and Company Identification

Product(s)	Ferangi Blue™ Chromogen (FB813CH, BRR813B) intelliPATH™ Ferangi Blue™ Chromogen (IPC5025)
Related Product Kit	Ferangi Blue™ Chromogen Kit 2 (FB813, BRR813A) intelliPATH™ Ferangi Blue™ Chromogen Kit (IPK5027)
Intended Use & Restrictions	Immunohistochemistry reagent intended for use by professional laboratory personnel that have been properly trained in its use.
Company Information	Biocare Medical, LLC 60 Berry Drive Pacheco, CA 94553 United States Tel: +1 800-799-9499 (7AM–5PM, PST, Mon-Fri) Fax: +1 925-603-8080 Web: www.biocare.net
24-Hour Emergency Contact	CHEMTREC +1 800-424-9300 (USA and Canada only) +1 703-527-3887 (all other countries)

2. Hazards Identification

Emergency Overview	Flammable Liquid. Keep away from heat, flames and sparks. Avoid contact with skin or eyes.
OSHA Hazards	Flammable Liquid, Target Organ Effect, Toxic by ingestion, Toxic by skin absorption, Irritant

GHS Classification Danger. Flammable Liquid.
Signal words, Symbol, Hazard & Precautionary Statements



Hazard Statements

H225 Highly flammable liquid and vapor.
H301 + H311 Toxic if swallowed or in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H370 Causes damage to organs.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311 IF exposed: Call a POISON CENTER or doctor/physician.

Potential Health Effects

Skin Contact Toxic if absorbed through the skin. Causes skin irritation.

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Eye Contact Causes eye irritation.

Inhalation May be harmful if inhaled. May cause respiratory tract irritation

Ingestion Toxic if swallowed.

See Section 11: Toxicological Information for additional information.

Environmental Effects Toxic to aquatic life.

See Section 12: Ecological Information for additional information.

3. Composition / Information on Ingredients

Chemical Name	Synonyms	% Composition	CAS Number
Methanol	N/A	95-100%	67-56-1
Proprietary chromogen	N/A	1-5%	N/A

Note: It has been determined that the remaining ingredients of this product are not classified as hazardous according to the Federal OSHA Hazardous Communication Standard (29 CFR 1910.1200) or the Globally Harmonized System of Classification and Labeling of Chemicals.

4. First Aid Measures

General Advice Avoid further exposure to product. Consult a physician.

In case of skin contact Wash exposed area with soap and plenty of water. Remove any contaminated clothing. Seek medical attention.

In case of eye contact Wash eyes with plenty of water for at least 15 minutes. Have victim remove contact lenses. Be sure to wash under eyelids. Seek medical attention.

If inhaled Remove victim to well-ventilated area. If victim is not breathing, give artificial respiration. Seek medical attention.

If swallowed If victim is conscious, rinse mouth with water. Do not give anything to an unconscious victim. Seek medical attention.

5. Fire Fighting Measures

Suitable Extinguishing Media Alcohol-resistant foam, dry chemical, or carbon dioxide. Use extinguisher media appropriate for surrounding fire.

Special Protective Equipment for Firefighters Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

Special Exposure Hazards Avoid inhalation of fumes, which may be toxic or irritating.

6. Accidental Release Measures

Personal Precautions Use of personal protective equipment is recommended as described in Section 8. Isolate hazard area and deny entry to unprotected personnel.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

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Methods for containment and clean up Small spills may be contained and cleaned-up with paper towels or absorbent pads. Absorb large spills with sand or vermiculite and place in a closed container for waste disposal. Avoid physical contact during removal.

7. Handling and Storage

Precautions for Safe Handling Avoid contact with eyes, skin and clothing. Do not ingest. Wash hands thoroughly after use.

Conditions for Safe Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not expose to excessive heat. Gas under pressure may result.

8. Exposure Controls / Personal Protection

Permissible Exposure Limits USA ACGIH Threshold Limit Values (Methanol): TWA, 200 ppm; STEL, 250 ppm

Engineering Controls No special controls needed.

Personal Protective Equipment

Eye Protection Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

Skin Protection Use chemically resistant gloves and a lab coat with sleeves.

Respiratory Protection Exceeding exposure limits is unlikely during normal usage. However, if irritating vapors are produced, respiratory protection is recommended. Attempt to reduce exposure levels to an acceptable range.

General Hygiene Measures Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling and before eating or drinking.

9. Physical and Chemical Properties

Appearance Clear, yellow solution

Odor No data available

pH (as supplied) No data available

Melting point No data available

Boiling point No data available

Flash point No data available

Flammability Flammable

Lower explosion limit No data available

Upper explosion limit No data available

Vapor pressure No data available

Vapor density No data available

Specific gravity No data available

Solubility (in water) Soluble

Partition coefficient (n-octanol/water) No data available

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Auto-ignition temperature No data available

Decomposition Temperature No data available

10. Stability and Reactivity

Chemical Stability Stable under recommended storage conditions (see Section 7).

Conditions to avoid Heat, flames, sparks.

Materials to avoid Alcohol-reactive compounds, acid chlorides, acid anhydrides, alkali metals, oxidizing agents, reducing agents.

Hazardous decomposition products Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.

Possibility of hazardous reactions None identified.

11. Toxicological Information

Acute dose effects Methanol:
LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg

Repeat dose effects Not determined

Skin irritation Skin - rabbit - Skin irritation - 24 h (Methanol)

Skin and respiratory sensitization Not determined

Eye irritation Eyes - rabbit - Eye irritation - 24 h (Methanol)

Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

Mutagenicity Not determined

Reproductive effects Not determined

Developmental effects Not determined

Target organ effects Eyes, Kidney, Liver, Heart, Central nervous system (Methanol)

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated at product concentrations.

12. Ecological Information

Ecotoxicity Toxicity to fish (Methanol):
LC50 - Oncorhynchus mykiss (rainbow trout) - 19,000.00 mg/l - 96 h
LC50 - Cyprinus carpio (Carp) - 36,000.00 mg/l - 48 h

Persistence and degradability No data available

Bioaccumulation/accumulation No data available

Mobility in environmental media No data available

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Other hazardous effects No data available

13. Disposal Considerations

Product Disposal should be in accordance with applicable national, state, and local laws and regulations. Local regulations may be more stringent than national or state requirements. Verify local and state regulations before discharging into public sewers or landfills. Do not dump into any body of water. Contact a licensed professional waste disposal service for appropriate methods of disposal.

Contaminated packaging Dispose of as unused product.

14. Transportation Information

Proper shipping name Not applicable

Technical name Not applicable

Hazard class Not applicable

Identification number Not applicable

Packing group Not applicable

DOT (US) Not regulated

IMDG Not regulated

IATA Not regulated

TDG Not regulated

15. Regulatory Information

Inventory Status

United States (TSCA) All components are listed or not subject to reporting requirements.

Canada (DSL / NDSL) All components are listed or not subject to reporting requirements.

SARA 302 Components No chemicals in this product are subject to reporting requirements.

SARA 313 Components Methanol, CAS 67-56-1, 95-100%

SARA 311/312 Hazards Fire Hazard, Acute Health Hazard, Chronic Health Hazard

California Prop. 65 components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Sources and Suitability The above information was obtained from sources available at the time of revision and believed to be accurate and reliable. The information included is not intended to be all inclusive and should only be used as a guide. Biocare shall not be held liable for any damage resulting from use, handling, or contact with the above product.

Revision Date January 22, 2018
(All SDS's before this date should be discarded.)

Replaces Revision June 16, 2015. This SDS has been updated to reflect current hazard information and product formulations.

Note: Before using this product, please visit the Biocare Medical website at <http://biocare.net> for the current version of this SDS