

Safety Data Sheet

Control Number: 907-012

Deep Space Black™ Chromogen (BRI4014, BRR4014)

August 17, 2017

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1. Product and Company Identification

Product(s)	Deep Space Black™ Chromogen (BRI4014, BRR4014)
Related Product Kit	Deep Space Black™ Chromogen Kit (BRI4015, BRR4015)
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. Harmful by ingestion or absorption. Avoid contact with skin or eyes, and avoid inhalation.
OSHA Hazards	Flammable liquid, Target Organ Effect, Harmful by ingestion, Harmful by skin absorption, Irritant

**GHS Classification
Signal words, Symbol,
Hazard &
Precautionary
Statements**



Danger

Hazard statement(s)

H225 Highly flammable liquid and vapor.
H302 + H312 Harmful if swallowed or in contact with skin.
H316 Causes mild skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

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Potential Health Effects

Skin Contact Harmful if absorbed through skin. Causes skin irritation.

Eye Contact Causes eye irritation.

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

Ingestion Harmful if swallowed.

See Section 11: Toxicological Information for additional information.

Environmental Effects May be toxic to aquatic life.

See Section 12: Ecological Information for additional information.

3. Composition / Information on Ingredients

Chemical Name	Synonyms	% Composition	CAS Number
Acetonitrile	Methyl cyanide	95-99%	75-05-8

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 Do NOT induce vomiting. 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 Water spray, 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

8. Exposure Controls / Personal Protection

Permissible Exposure Limits USA ACGIH Threshold Limit Values (Acetonitrile): TWA, 20 ppm
USA OSHA Table Z-1 Occupational Exposure Limit, Limits for Air Contaminants (Acetonitrile): TWA, 40 ppm; STEL, 60 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 Grey, translucent solution.

Odor Not determined.

pH (as supplied) Not determined.

Melting point Not determined.

Boiling point Not determined.

Flash point Not determined.

Flammability Not determined.

Lower explosion limit Not determined.

Upper explosion limit Not determined.

Vapor pressure Not determined.

Vapor density Not determined.

Specific gravity Not determined.

Solubility (in water) Soluble

Partition coefficient (n-octanol/water) Not determined.

Auto-ignition temperature Not determined.

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Decomposition Temperature Not determined.

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions (see Section 7).
Conditions to avoid	Heat, flames sparks. Extremes of temperature and direct sunlight.
Materials to avoid	Acids, bases, oxidizing agents, reducing agents, alkali metals.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen cyanide gas.
Possibility of hazardous reactions	None identified.

11. Toxicological Information

Acute dose effects	LD50 Oral - rat – 2,460 mg/kg LD50 Inhalation – rat – 8h - 7551 ppm LD50 Dermal – rabbit – 2,000 mg/kg
Repeat dose effects	No data available.
Skin irritation	Skin - rabbit - Mild skin irritation.
Skin and respiratory sensitization	Did not cause sensitization on laboratory animals.
Eye irritation	Eyes - rabbit - Severe eye irritation.
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	No data available.
Reproductive effects	No data available.
Developmental effects	No data available.
Target organ effects	Lungs, Blood, Kidney, Liver, Central nervous system

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 - Pimephales promelas (fathead minnow) - 1,640.00 mg/l - 96 h
Persistence and degradability	No data available
Bioaccumulation/accumulation	No data available
Mobility in environmental media	No data available
Other hazardous effects	No data available

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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 Acetonitrile

Technical name N/A

Hazard class 3

Identification number UN Number 1648

Packing group II

DOT (US) Marine Pollutant: No, Poison Inhalation Hazard: No

IMDG Marine Pollutant: No

IATA As above

TDG Not available

15. Regulatory Information

Inventory Status

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

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

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

SARA 313 Components Acetonitrile, CAS 75-05-8

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 August 17, 2017
(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.