

Material Safety Data Sheet

Product: Antibody Capture Reagent

Description of Contents: Components of this product are buffer salts and a bacterial protein. None of these components are considered to be hazardous.

Concentration of Hazardous Components: Within the present knowledge, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.

Physical and Chemical Properties: Clear fluid.

Potential Hazard: The toxicology of this material has not been fully tested; however to the best of our knowledge this substance no substances which at their given concentration are considered to be hazardous to health.

General Caution: Handling of all chemicals with caution is highly recommended.

Fire Hazard: None identified

Explosion Hazard: None identified

Biological Hazard: None identified

Protective Clothing: Wear standard laboratory protective clothing including gloves, protective clothing and eyewear and follow safe laboratory practices.

Method of Disposal: Consult local, state, or national regulations for proper disposal.

Health and First Aid:

Eye Contact: May cause eye irritation. Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.

Skin Contact: Not determined. Wash off immediately with plenty of water. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Rinse thoroughly with plenty of water. If symptoms persist, call a physician.

Use in conjunction with the associated Cytellect product insert. The above information is correct to the best of our knowledge. Cytellect, Inc., shall not be held liable for any damage resulting from handling or contact with the above product.

CMPL-001-R00
(PN 0006368 on BOM)
January 24, 2011

Material Safety Data Sheet

Product: Antibody Detection Reagent

Description of Contents: Components of this product are buffer salts and animal and plant proteins. The protein product is a covalent conjugate of a fluorescent plant protein with an animal immunoglobulin. None of these components are considered to be hazardous. The hazardous substance sodium azide is present in this product in very small amounts as an anti-microbial preservative.

Concentration of Hazardous Components: 0.5 mg sodium azide/ml (0.05%) of reconstituted product. According to the OSHA Hazard Communications Standard (CFR 1910.1200), if a mixture contains less than 1% of a hazardous chemical or 0.1% of a carcinogen, the mixture shall not be considered hazardous. However, precautions for handling potentially dangerous reagents should be practiced when using these products. To aid in determining handling procedures, we offer the following additional information.

Toxicity Data: LD 50 (sodium azide) = 27 mg/kg (rat-oral).

Physical and Chemical Properties: Lyophilized powder.

Potential Hazard: The only hazards identified with this product are those associated with sodium azide, which is present at very low concentrations.

General Caution: Handling of all chemicals with caution is highly recommended.

Fire Hazard: Sodium azide emits toxic fumes under fire conditions.

Explosion Hazard: Azide reacts with many heavy metals, including copper and lead, to form explosive compounds. Use large volumes of water to flush this product through any plumbing containing these heavy metals.

Biological Hazard: None identified.

Protective Clothing: Wear standard laboratory protective clothing including gloves, protective clothing and eyewear and follow safe laboratory practices.

Method of Disposal: Sodium azide is a hazardous chemical. Disposal of even small amounts of these chemicals may be subject to federal, state, or local laws. Consult local, state, or national regulations for proper disposal.

Health and First Aid:

Eye Contact: May cause eye irritation or permanent damage. Rinse thoroughly with plenty of water, also under eyelids.

Contact physician immediately.

Skin Contact: May cause irritation. Wash off immediately with plenty of water. If symptoms persist, call a physician.

Inhalation: May cause irritation of respiratory tract. Move to fresh air. Contact poison control center or physician immediately for first aid instructions if necessary.

Ingestion: May be harmful if swallowed. If swallowed, contact poison control center or physician immediately for potential thimerosal (merthiolate) and sodium azide poisoning.

Use in conjunction with the associated Cytellect product insert. Use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Cytellect, Inc., shall not be held liable for any damage resulting from handling or contact with the above product.

CMPL-002-R00
(PN 0006369 on BOM)
January 24, 2011

Material Safety Data Sheet

Product: Antibody Detection Reagent Buffer

Description of Contents: Components of this product are buffer salts. None of these components are considered to be hazardous.

Concentration of Hazardous Components: Within the present knowledge, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.

Physical and Chemical Properties: Clear fluid.

Potential Hazard: To the best of our knowledge this substance contains no hazardous materials.

General Caution: Handling of all chemicals with caution is highly recommended.

Fire Hazard: None identified.

Explosion Hazard: None identified.

Biological Hazard: None identified.

Protective Clothing: Wear standard laboratory protective clothing including gloves, protective clothing and eyewear and follow safe laboratory practices.

Method of Disposal: Consult local, state, or national regulations for proper disposal.

Health and First Aid:

Eye Contact: Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.

Skin Contact: Wash off immediately with plenty of water. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Rinse thoroughly with plenty of water. If symptoms persist, call a physician.

Use in conjunction with the associated Cytellect product insert. The above information is correct to the best of our knowledge. Cytellect, Inc., shall not be held liable for any damage resulting from handling or contact with the above product.

CMPL-003-R00
(PN 0006370 on BOM)
January 24, 2011

Material Safety Data Sheet

Product: Cell Detection Reagent

Description of Contents: This product consists of an organic dye.

Concentration of Hazardous Components: Within the present knowledge, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.

Physical and Chemical Properties: Lyophilized powder.

Potential Hazard: This product contains no substances which at their given concentration are considered to be hazardous to health.

General Caution: Substance not yet fully tested. Handling of all chemicals with caution is highly recommended.

Fire Hazard: Use dry chemical powder or appropriate foam extinguisher. Use personal protective equipment.

Explosion Hazard: None identified.

Biological Hazard: None identified.

Protective Clothing: Wear standard laboratory protective clothing including gloves, protective clothing and eyewear and follow safe laboratory practices.

Method of Disposal: Consult local, state, or national regulations for proper disposal.

Health and First Aid:

Eye Contact: May cause eye irritation. Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.

Skin Contact: Not determined. Wash off immediately with plenty of water. If symptoms persist, call a physician.

Inhalation: May cause irritation of respiratory tract. Move to fresh air. If symptoms persist, call a physician.

Ingestion: May be harmful if swallowed. If swallowed, seek medical advice. If symptoms persist, call a physician

Use in conjunction with the associated Cytellect product insert. The above information is correct to the best of our knowledge. Cytellect, Inc., shall not be held liable for any damage resulting from handling or contact with the above product.

CMPL-004-R00
(PN 0006371 on BOM)
January 24, 2011

Material Safety Data Sheet

Product: PhotoTherm Reagent™ (also known as Stem Cell Passage Reagent™ and EB Generation Reagent™)

Description of Contents: This product consists of an FDA approved food color dye.

Concentration of Hazardous Components: Within the present knowledge, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.

Physical and Chemical Properties: Dark fluid.

Potential Hazards:

Potential Chronic Health Effects:

Carcinogenic Effects: Not available.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

Toxicity to Animals:

Acute oral toxicity (LD50): >10000 mg/kg [Rat].

Acute dermal toxicity (LD50): >10000 mg/kg [Rabbit].

Chronic Effects on Humans: Not available.

General Caution: Substance not yet fully tested. To our knowledge, the hazards of this material have not been thoroughly investigated. We recommend handling all chemicals with caution.

Fire Hazard: Use dry chemical powder, appropriate foam extinguisher, or water spray. Emits toxic fumes under fire conditions.

Explosion Hazard: None identified.

Biological Hazard: None identified.

Protective Clothing: Wear standard laboratory protective clothing including gloves, protective clothing and eyewear and follow safe laboratory practices.

Method of Disposal: Consult local, state, or national regulations for proper disposal.

Health and First Aid:

Eye Contact: May cause eye irritation. Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.

Skin Contact: May cause skin irritation. Wash off immediately with plenty of water. If symptoms persist, call a physician.

Inhalation: Material may be irritating to respiratory tract. Move to fresh air. If symptoms persist, call a physician.

Ingestion: May be harmful if ingested. Rinse with plenty of water. If symptoms persist, call a physician.

Use in conjunction with the associated Cytellect product insert. Use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Cytellect, Inc., shall not be held liable for any damage resulting from handling or contact with the above product.

CMPL-005-R00
(PN 0006372 on BOM)
January 24, 2011