

# **CAMBRIDGE ISOTOPE LABORATORIES**

#### PRODUCT AND COMPANY IDENTIFICATION

| Product Name:            | •  | MOUSE PLASMA PROTEOMIC<br>& 1290 UPLC, 20 SAMPLES        | CS KIT 3 |
|--------------------------|--|--|----------|
| Catalog No:              | M-BAK-6490-125-3   | 3-20   |          |
| Company:                 | Cambridge Isotope<br>50 Frontage Road<br>Andover, MA. 018<br>USA |  |          |
| Telephone:<br>Emergency: | 1-800-322-1174<br>1-800-424-9300                                 | International information 1<br>International Emergency 1 |          |

#### HAZARDS IDENTIFICATION

#### **Emergency Overview**

OSHA Hazards Health Hazard, Irritant GHS Classification(s) Skin irritation – Cat 2 Eye irritation – Cat 2A Respiratory sensitization – Cat 1 Skin sensitization – Cat 1 Specific target organ toxicity – single exposure – Cat 3

#### GHS Label elements, including precautionary statements



Pictograms

Signal word

Danger

Hazard statement(s)

See individual Safety Data Sheets

### COMPOSITION

Each kit contains four vials:

HEAVY SIS PEPTIDE MIXTURE

LIGHT PEPTIDE MIXTURE

TRYPSIN

**BOVINE SERUM ALBUMIN** 



# **HEAVY SIS PEPTIDE MIXTURE**

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 21/09/2017 Revision date: : Version: 1.0

**HEAVY SIS PEPTIDE MIXTURE** 

| CECTION 4. Identification of the                 |  |
|--|--|
|  | e substance/mixture and of the company/undertaking |
| 1.1. Product identifier Product form             | : Mixtures   |
| Product name                                     | : HEAVY SIS PEPTIDE MIXTURE                        |
| Product code                                     | : HEAVY SIS PEPTIDE MIXTURE                        |
| 1.2. Relevant identified uses of the             | e substance or mixture and uses advised against    |
| 1.2.1. Relevant identified uses                  |  |
| Main use category                                | : Professional use                                 |
| ndustrial/Professional use spec                  | : For professional use only                        |
| 1.2.2. Uses advised against                      |  |
| No additional information available              |  |
| 1.3. Details of the supplier of the s            | afety data sheet                                   |
| Cambridge Isotope Laboratories, Inc.             |  |
| 50 Frontage Road<br>Andover, MA 01810            |  |
| USA  |  |
| USA: 1-800-322-1174 Int: 1-978-749-80            |  |
| cilsales@isotope.com www.isotope.com             |  |
| Emergency telephone number<br>Emergency numbers: |  |
| Chemtrec: 1-800-424-9300 (24 hours)              |  |
| International: 1-703-741-5970 (24 hours)         |  |
| <b>SECTION 2: Hazards identificati</b>           | on   |
| 2.1. Classification of the substance             | e or mixture                                       |
| Classification according to Regulation (         | (EC) No. 1272/2008 [CLP]                           |
| Not classified                                   |  |
| Classification according to Directive 67         | /548/EEC [DSD] or 1999/45/EC [DPD]                 |
| Not classified                                   |  |
|  |  |
| GHS-US classification<br>Not classified          |  |
| Not Gassilieu                                    |  |
| Adverse physicochemical, human healt             | h and environmental effects                        |
| No additional information available              |  |
|  |  |
| 2.2. Label elements                              |  |
| Labelling according to Regulation (EC)           | No. 1272/2008 [CLP]                                |
| No labelling applicable                          |  |
| GHS-US labelling                                 |  |
| -  |  |
| No labelling applicable                          |  |
|  |  |
| 2.3. Other hazards                               |  |

No additional information available

### **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

Not applicable

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| 3.2. Mixtures             |                    |     |   |
|---------------------------|--------------------|-----|---|
| Name                      | Product identifier | %   | Classification according to<br>Directive 67/548/EEC                   |
| HEAVY SIS PEPTIDE MIXTURE | (EC Index No)      | 100 | Not classified  |
| Name                      | Product identifier | %   | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP] |
| HEAVY SIS PEPTIDE MIXTURE | (EC Index No)      | 100 | Not classified  |
| Name                      | Product identifier | %   | GHS-US classification   |
| HEAVY SIS PEPTIDE MIXTURE |                    | 100 | Not classified  |

#### Full text of R- and H-statements: see section 16

| 1. Description of first aid measures         First-aid measures general       : If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area.         First-aid measures after inhalation       : When symptoms occur: go into open air and vertilate suspected area. If not breathing, give artificial respiration. Get medical advice/attention.         First-aid measures after isotonact       : Wash with plenty of scap and water. Get immediate medical advice/attention.         First-aid measures after ingestion       : Rinse caucously with water for several minutes.         First-aid measures after ingestion       : Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         Symptoms/injuries after innolation       : May be harmful if inhaled. May cause respiratory infiation.         Symptoms/injuries after innolation       : May be harmful if inhaled. May cause moderate infiation.         Symptoms/injuries after ingestion       : May be harmful if swallowed.         A.3. Indication of any immediate medical attention and special treatment needed         No additional information available       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.3. Advice of firefighters       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breakting apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment, including respiratory protection. Wear recommended personal protect | SECTION 4: First aid measures                 |  |
|---|---|--|
| First-aid measures general       : If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area.         First-aid measures after inhalation       : When symptoms occur: go into open air and vertilize supported area. If not breakhing, give artificial respiration. Cell medical advice/attention.         First-aid measures after is ontact       : Wash with pleny of scap and water. Cell immediate medical advice/attention.         First-aid measures after is ontact       : Rinse cautiously with water for several minutes.         First-aid measures after is ontact       : Rinse cautiously with water for several minutes.         First-aid measures after is ontact       : May be harmful if inhalad. May cause moderate irritation.         Symptoms/injuries after is inhalation       : May be harmful if inhalad. May cause moderate irritation.         Symptoms/injuries after is ontact       : May be harmful if inhalad. May cause moderate irritation.         Symptoms/injuries after inhalation       : May be harmful if swallowed.         4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available       : Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.1.       Extinguishing media       : Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture       Notactor firelighters         Firelighting ins  |   |  |
| First-aid measures after inhalation       : When symptoms occur: go into open air and ventilate suppacted area. If not breathing, give antificial respiration. Cell tredical advice/attention.         First-aid measures after skin contact       : Wash with pienty of scop and water. Get immediate medical advice/attention.         First-aid measures after ingestion       : Rinse cautiously with water for several minutes.         First-aid measures after ingestion       : Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         4.2.       Most important symptoms and effects, both acute and delayed         Symptoms/injuries after respiration       : May be harmful if inhaled. May cause respiratory irritation.         Symptoms/injuries after respiration       : May be harmful if nontact with skin. May cause moderate irritation.         Symptoms/injuries after registration       : May be harmful if wallowed.         4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.1.       Extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the subtance or mixture       No additional information available         5.3.       Advice for firefighting       : Water spray. dry chemical powder, alcohol-resistant foam, carbo   |   | If you feel yourself each medical advice (chay the lobal where peecilies). Everyote denger area    |
| First-aid measures after skin contact       : Wash with plenty of soap and water. Get immediate medical advice/attention.         First-aid measures after ingestion       : Rinse cautiously with water for several minutes.         First-aid measures after ingestion       : Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         4.2.       Most important symptoms and effects, both acute and delayed         Symptoms/injuries after indiation       : May be harmful if indiated. May cause respiratory irritation.         Symptoms/injuries after indigestion       : May be harmful if indiated. May cause moderate irritation.         Symptoms/injuries after indigestion       : May be harmful if indiated. May cause moderate irritation.         Symptoms/injuries after indigestion       : May be harmful if indiated.         Na ddiction of any immediate medical attention and special treatment needed       No additional information available         SECTION 5: Fire-fighting measures       5.1         Stubable extinguishing media       : Water spray. dy chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         S2.       Special hazards arising from the substance or mixture         No additional information available       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       :   | -   | : When symptoms occur: go into open air and ventilate suspected area. If not breathing, give       |
| First-aid measures after eye contact       : Rinse cautiously with water for several minutes.         First-aid measures after ingestion       : Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         4.2.       Most important symptoms and effects, both acute and delayed         Symptoms/injuries after sin contact       : May be harmful if inchaled. May cause respiratory initiation.         Symptoms/injuries after sin contact       : May be harmful if inchaled. Way cause moderate irritation.         Symptoms/injuries after sin contact       : May be harmful if swallowed.         4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.1.       Extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture       No additional information available         5.3.       Advice for firefighters       : Eight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment.         Strifting instruction       : Avoid breathing vapours, mist, gas. Avoid dust formation.         61.1.       Per onemegency personnet  | <b>-</b>                                      |  |
| First-aid measures after ingestion       : Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         42.       Most important symptoms and effects, both acute and delayd         Symptoms/injuries after inhalation       : May be harmful if inhaled. May cause respiratory irritation.         Symptoms/injuries after inhalation       : May be harmful if nonated with skin. May cause moderate irritation.         Symptoms/injuries after reye contact       : May be harmful if wallowed.         43.       Indication of any immediate medical attention and special treatment needed         No additional information available       Stepperson (and the substance or mixture         Stational information available       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.1       Extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.3       Advice for firefightors       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment.         Stepperson       : Do not enter fire area without proper protective equipment including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment in  |   |  |
| 4.2.       Most important symptoms and effects, both acute and delayed         Symptoms/injuries after inhalation       : May be harmful if inhaled. May cause respiratory irritation.         Symptoms/injuries after eye contact       : May be harmful if contact with skin. May cause moderate irritation.         Symptoms/injuries after eye contact       : May be harmful if swallowed.         4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available       Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.1.       Extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture       No additional information available         5.3.       Advice for firefighters       Firefighting instructions       : Eight fire with normal precautions from a reasonable distance. Wear a self contained breathing apaparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment.         SECTION 6: Accidental release medusuues       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For non-mergency personnel         Emergency procedures  | •   |  |
| Symptoms/injuries after inhalation       : May be harmful if inhaled. May cause respiratory irritation.         Symptoms/injuries after skin contact       : May be harmful in contact with skin. May cause moderate irritation.         Symptoms/injuries after injestion       : May be harmful if isvallowed.         4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available       ESECTION 5: Fire-fighting measures         Suitable extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.1.       Extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture       No additional information available         5.3.       Advice for firefighters   | First-aid measures after ingestion            |  |
| Symptoms/injuries after skin contact       : May be harmful in contact with skin. May cause moderate irritation.         Symptoms/injuries after eye contact       : May cause eye irritation.         Symptoms/injuries after ingestion       : May be harmful if swallowed.         4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available       Seccritors 5: Fire-fighting measures         5.1.       Extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture       No additional information available         5.3.       Advice for firefighters       Firefighting instructions       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing aparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Vectorion during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection.         State recommended personal protective equipment, including respiratory protection.       Wear recommended personal protective equipment, including respiratory protection.         State responders       : Avoid breathing vapours, mist, gas. Avoid dust formation.       6.1.         For enal precautions, protective equipment and emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.  | 4.2. Most important symptoms and effe         | cts, both acute and delayed  |
| Symptoms/injuries after eye contact       : May cause eye irritation.         Symptoms/injuries after ingestion       : May be harmful if swallowed.         4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available         SECTION 5: Fire-fighting measures         Suitable extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture         No additional information available       :         5.3.       Advice for firefighters         Firefighting instructions       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection.         SECTION 5: Accidental release measures       .         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For one-mergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available       : Avoid breathing vapours, mist, gas. Avoid dust formation.   | Symptoms/injuries after inhalation            | : May be harmful if inhaled. May cause respiratory irritation.                                     |
| Symptoms/injuries after ingestion       : May be harmful if swallowed.         4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available         SECTION 5: Fire-fighting medias         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Syspecial hazards arising from the substance or mixture         No additional information available         5.3.       Advice for firefighters         Firefighting instructions       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection.         SECTION 6: Accidental release measures       6.1.         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For one-mergency personal         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available       :         6.2.       Environmental precautions         Protection during tire streand public waters. Do not allow to enter drains or wat   | Symptoms/injuries after skin contact          | : May be harmful in contact with skin. May cause moderate irritation.                              |
| 4.3.       Indication of any immediate medical attention and special treatment needed         No additional information available         SECTION 5: Fire-fighting measures         5.1.       Extinguishing media         Suitable extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture         No additional information available       5.3.         5.3.       Advice for firefighters         Firefighting instructions       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection.         Vear recommended personal protective equipment.       SECTION 6: Accidental release measures         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For one-emergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available       6.2.         6.2.       Environmental precautions         Prevent entry to sewers and public waters. Do not allow to ent  | Symptoms/injuries after eye contact           | : May cause eye irritation.  |
| No additional information available         SECTION 5: Fire-fighting measures         5.1.       Extinguishing media         Suitable extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture         No additional information available  | Symptoms/injuries after ingestion             | : May be harmful if swallowed.   |
| No additional information available         SECTION 5: Fire-fighting measures         5.1.       Extinguishing media         Suitable extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture         No additional information available  | 4.3. Indication of any immediate medic        | al attention and special treatment needed  |
| 5.1.       Extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture         No additional information available       5.3.         5.3.       Advice for firefighters         Firefighting instructions       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection.         SECCTION 6: Accidental release measures       6.1.         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For non-emergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available  |   |  |
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| Suitable extinguishing media       : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).         5.2.       Special hazards arising from the substance or mixture         No additional information available   |   |  |
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| No additional information available         5.3. Advice for firefighters         Firefighting instructions       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment.         SECTION 6: Accidental release measures       6.1. Personal precautions, protective equipment and emergency procedures         6.1. Personal precautions, protective equipment and emergency procedures       6.1.         6.1. Personal precautions, protective equipment and emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2. For emergency responders       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.2. Environmental precautions       Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3. Methods and material for containment and cleaning up       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         6.4. Reference to other sections       : This material and its container must be disposed of in a safe way, and as per local legislation.   |   |  |
| 5.3.       Advice for firefighters         Firefighting instructions       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing aparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment.         SECTION 6: Accidental release measures       6.1.         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For non-emergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available       6.2.         6.2.       Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3.       Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4.       Reference to other sections   |   |  |
| Firefighting instructions       : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment.         SECTION 6: Accidental release measures       6.1.         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For non-emergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available       6.2.         6.3.       Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         6.4.       Reference to other sections   |   |  |
| apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.         Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment.         SECTION 6: Accidental release measures       6.1.         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For non-emergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available  |   |  |
| Wear recommended personal protective equipment.         SECTION 6: Accidental release measures         6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For non-emergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available         6.2.       Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3.       Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4.       Reference to other sections  | Firefighting instructions                     | apparatus. Do not enter fire area without proper protective equipment, including respiratory       |
| 6.1.       Personal precautions, protective equipment and emergency procedures         6.1.1.       For non-emergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2.       For emergency responders         No additional information available       .         6.2.       Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3.       Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4.       Reference to other sections   | Protection during firefighting                |  |
| 6.1.1. For non-emergency personnel         Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2. For emergency responders         No additional information available         6.2. Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3. Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4. Reference to other sections       : Totak up mechanically (sweeping, shovelling) and collect in a safe way, and as per local legislation.  | <b>SECTION 6: Accidental release mea</b>      | asures   |
| Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2. For emergency responders         No additional information available         6.2. Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3. Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4. Reference to other sections   | 6.1. Personal precautions, protective e       | quipment and emergency procedures  |
| Emergency procedures       : Avoid breathing vapours, mist, gas. Avoid dust formation.         6.1.2. For emergency responders         No additional information available         6.2. Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3. Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4. Reference to other sections   | 6.1.1. For non-emergency personnel            |  |
| 6.1.2. For emergency responders         No additional information available         6.2. Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3. Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4. Reference to other sections  |   | : Avoid breathing vapours, mist, gas, Avoid dust formation.  |
| No additional information available         6.2.       Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3.       Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4.       Reference to other sections  | 0 71  |  |
| 6.2. Environmental precautions         Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3. Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4. Reference to other sections  |   |  |
| Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.         6.3.       Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4.       Reference to other sections   | No additional information available           |  |
| 6.3.       Methods and material for containment and cleaning up         For containment       : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.         Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4.       Reference to other sections   |   |  |
| For containment: Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.Methods for cleaning up: This material and its container must be disposed of in a safe way, and as per local legislation.6.4.Reference to other sections  | Prevent entry to sewers and public waters. Do | not allow to enter drains or water courses. Avoid release to the environment.                      |
| Methods for cleaning up       : This material and its container must be disposed of in a safe way, and as per local legislation.         6.4.       Reference to other sections   | 6.3. Methods and material for containm        | ient and cleaning up   |
| 6.4. Reference to other sections  | For containment                               | : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.      |
|   | Methods for cleaning up                       | : This material and its container must be disposed of in a safe way, and as per local legislation. |
| No additional information available   | 6.4. Reference to other sections              |  |
|   | No additional information available           |  |

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|         | ION 7: Handling and storage       | e  |
|---------|-----------------------------------|--|
| 7.1.    | Precautions for safe handling     |  |
| Precaut | ions for safe handling            | : Provide adequate ventilation to minimize dust and/or vapour concentrations.  |
| Hygiene | e measures                        | : Wash hands and other exposed areas with mild soap and water before eating, drinking or<br>smoking and when leaving work. |
| 7.2.    | Conditions for safe storage, incl | luding any incompatibilities   |
| Technic | al measures                       | : Store in a well-ventilated place. Keep container tightly closed.   |
| Storage | conditions                        | : Store in freezer (-80°C).  |
| 7.3.    | Specific end use(s)               |  |
| No add  | tional information available      |  |
| SECT    | ION 8: Exposure controls/p        | ersonal protection   |
| 8.1.    | Control parameters                |  |
| No add  | tional information available      |  |
| 8.2.    | Exposure controls                 |  |
| Approp  | iate engineering controls         | : Wash hands and other exposed areas with mild soap and water before eating, drinking or<br>smoking and when leaving work. |
| Persona | al protective equipment           | : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.                                     |
|         |                                   |  |
| Materia | s for protective clothing         | : Wear suitable protective clothing and gloves.  |
| Hand p  | otection                          | : Wear suitable protective clothing and gloves.  |
| Eye pro | tection                           | : Wear eye protection. Chemical goggles or face shield with safety glasses.  |
| Skin an | d body protection                 | : Wear suitable protective clothing, gloves and eye/face protection.   |
| Respira | tory protection                   | : In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.                         |
| Environ | mental exposure controls          | : Avoid release to the environment.  |

| 9.1. Information on basic physical ar      | d chemical properties |
|--|-----------------------|
| Physical state                             | : Solid               |
| Appearance                                 | : Solid.              |
| Colour                                     | : No data available   |
| Odour                                      | : No data available.  |
| Odour threshold                            | : No data available   |
| рН   | : No data available   |
| Relative evaporation rate (butylacetate=1) | : No data available   |
| Melting point                              | : No data available   |
| Freezing point                             | : No data available   |
| Boiling point                              | : No data available   |
| Flash point                                | : No data available   |
| Auto-ignition temperature                  | : No data available   |
| Decomposition temperature                  | : No data available   |
| Flammability (solid, gas)                  | : No data available   |
| Vapour pressure                            | : No data available   |
| Relative vapour density at 20 °C           | : No data available   |
| Relative density                           | : No data available   |
| Solubility                                 | : No data available   |
| Log Pow                                    | : No data available   |
| Log Kow                                    | : No data available   |
| Viscosity, kinematic                       | : No data available   |
| Viscosity, dynamic                         | : No data available   |
| Explosive properties                       | : No data available   |
| Oxidising properties                       | : No data available   |
| Explosive limits                           | : No data available   |
| 21/09/2017                                 | EN (English)          |

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| 9.2. Other information   |   |
|--|---|
| No additional information available  |   |
| SECTION 10: Stability and reactivity   |   |
| 10.1. Reactivity   |   |
| No additional information available  |   |
| 10.2. Chemical stability   |   |
| Use within 3 months of receipt.  |   |
| 10.3. Possibility of hazardous reactions   |   |
| No additional information available  |   |
| 10.4. Conditions to avoid  |   |
| No additional information available  |   |
|  |   |
| 10.5.         Incompatible materials           Strong oxidizing agents.         Incompatible materials |   |
|  |   |
| <b>10.6.</b> Hazardous decomposition products  |   |
| Carbon oxides (CO, CO2).   |   |
| SECTION 11: Toxicological informati  | on  |
| 11.1. Information on toxicological effects   |   |
| Acute toxicity   | : Not classified  |
| Skin corrosion/irritation  | : Not classified  |
| Serious eye damage/irritation  | : Not classified  |
| Respiratory or skin sensitisation  | : Not classified  |
| Germ cell mutagenicity   | : Not classified  |
| Carcinogenicity  | : Not classified  |
| Reproductive toxicity  | : Not classified  |
| STOT-single exposure   | : Not classified  |
| STOT-repeated exposure   | : Not classified  |
| Aspiration hazard  | : Not classified  |
| Potential adverse human health effects and symptoms  | : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. |
| Symptoms/injuries after inhalation   | : May be harmful if inhaled. May cause respiratory irritation.  |
| Symptoms/injuries after skin contact   | : May be harmful in contact with skin. May cause moderate irritation.   |
| Symptoms/injuries after eye contact  | : May cause eye irritation.   |
| Symptoms/injuries after ingestion  | : May be harmful if swallowed.  |

| SECTI     | ON 12: Ecological information      |  |
|-----------|------------------------------------|--|
| 12.1.     | Toxicity                           |  |
| Ecology   | - general :                        | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.          |
| 12.2.     | Persistence and degradability      |  |
| No additi | ional information available        |  |
| 12.3.     | Bioaccumulative potential          |  |
| No additi | ional information available        |  |
| 12.4.     | Mobility in soil                   |  |
| No additi | ional information available        |  |
| 12.5.     | Results of PBT and vPvB assessment |  |
| No additi | ional information available        |  |
| 12.6.     | Other adverse effects              |  |
| No addit  | ional information available        |  |
| SECTI     | ON 13: Disposal considerations     |  |
| 13.1.     | Waste treatment methods            |  |
| Regional  | legislation (waste) :              | Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations. |

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| 26, 2012 / Rules and Regulations                                    |  |
|---|--|
| Product/Packaging disposal recommendations:                         | : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. |
| Ecology - waste materials   | : Dispose of as unused product.  |
| SECTION 14: Transport information                                   |  |
| In accordance with ADR / RID / IMDG / IATA / AD                     | Ν  |
| 14.1. UN number   |  |
| Not applicable  |  |
| 14.2. UN proper shipping name                                       |  |
| Not applicable  |  |
| 14.3. Additional information  |  |
| Other information   | : No supplementary information available.  |
| Special transport precautions                                       | : Not classified as dangerous in the meaning of transport regulations.   |
| Overland transport  |  |
| No additional information available                                 |  |
| Transport by sea  |  |
| No additional information available                                 |  |
| Air transport   |  |
| No additional information available                                 |  |
| 14.4. Environmental hazards   |  |
| Other information   | : No supplementary information available.  |
| 14.5. Special precautions for user                                  |  |
|   | : Not classified as dangerous in the meaning of transport regulations.   |
|   | I of MARPOL 73/78 and the IBC Code   |
| Not applicable  |  |
| SECTION 15: Regulatory information                                  |  |
| 15.1. US Federal regulations  |  |
| HEAVY SIS PEPTIDE MIXTURE   |  |
| SARA Section 302 Threshold Planning                                 | Not subject to reporting requirements of the United States SARA Section 302.   |
| Quantity (TPQ)  |  |
| SARA Section 313 - Emission Reporting                               | Not subject to reporting requirements of the United States SARA Section 313.   |
| HEAVY SIS PEPTIDE MIXTURE   |  |
| SARA Section 302 Threshold Planning<br>Quantity (TPQ)               | Not subject to reporting requirements of the United States SARA Section 302.   |
| SARA Section 313 - Emission Reporting                               | Not subject to reporting requirements of the United States SARA Section 313.   |
| 15.2. International regulations                                     |  |
| CANADA  |  |
| HEAVY SIS PEPTIDE MIXTURE   |  |
| Listed on the Canadian DSL (Domestic Substand                       | ces List)  |
|   |  |
| 15.2.1. National regulations  |  |
| No additional information available                                 |  |
| 15.3. US State regulations  |  |
| HEAVY SIS PEPTIDE MIXTURE()   |  |
| U.S California - Proposition 65 - Carcinogens Lis                   |  |
| U.S California - Proposition 65 - Developmental<br>Toxicity         | No   |
| U.S California - Proposition 65 - Reproductive<br>Toxicity - Female | No   |
| U.S California - Proposition 65 - Reproductive                      | No   |
| I Toxicity - Male   |  |
| Toxicity - Male State or local regulations                          | U.S Massachusetts - Right To Know List   |

U.S. - Pennsylvania - RTK (Right to Know) List

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| HEAVY SIS PEPTIDE MIXT   | URE  |   |   |                                     |
|--|--|---|---|-------------------------------------|
| U.S California -<br>Proposition 65 -<br>Carcinogens List                           | U.S California -<br>Proposition 65 -<br>Developmental Toxicity | U.S California -<br>Proposition 65 -<br>Reproductive Toxicity -<br>Female | U.S California -<br>Proposition 65 -<br>Reproductive Toxicity -<br>Male | No significant risk level<br>(NSRL) |
| No   | No   | No  | No  |                                     |
| HEAVY SIS PEPTIDE MIXT   | URE  |   |   |                                     |
| State or local regulations   |  |   |   |                                     |
| U.S Massachusetts - Righ<br>U.S New Jersey - Right to<br>U.S Pennsylvania - RTK (I | Know Hazardous Substance                                       | List  |   |                                     |

### **SECTION 16: Other information**

| Other information  | : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound. |
|--------------------|--|
| NFPA health hazard | : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.   |
| NFPA fire hazard   | : 0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.  |
| NFPA reactivity    | : 0 - Material that in themselves are normally stable, even under fire conditions.   |
| HMIS III Rating    |  |
| Health             | : 0 Minimal Hazard - No significant risk to health   |
| Flammability       | : 0 Minimal Hazard   |

CIL Multi-Solvent Mixture SDS

Physical

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

: 0 Minimal Hazard



# LIGHT PEPTIDE MIXTURE

Safety Data Sheet according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations :

Date of issue: 09/06/2016

Revision date:

Version: 1.0

## LIGHT PEPTIDE MIXTURE

| SECTION 1: Identification of the  | substance/mixture and of the company/undertaking |
|---|--|
| 1.1. Product identifier   | substanooninktare and of the company/andertaking |
| Product form  | : Mixtures                                       |
| Product name.   | : LIGHT PEPTIDE MIXTURE                          |
| Product code  | : LIGHT PEPTIDE MIXTURE                          |
| 1.2. Relevant identified uses of the s  | substance or mixture and uses advised against    |
| 1.2.1. Relevant identified uses   |  |
| Industrial/Professional use spec  | : For professional use only.                     |
| 1.2.2. Uses advised against   |  |
| No additional information available   |  |
| 1.3. Details of the supplier of the saf   | fety data sheet                                  |
| Cambridge Isotope Laboratories, Inc.  |  |
| 50 Frontage Road<br>Andover, MA 01810   |  |
| USA   |  |
| USA: 1-800-322-1174 Int: 1-978-749-800  | 0  |
| cilsales@isotope.com www.isotope.com  |  |
| Emergency telephone number  |  |
| Emergency numbers:  |  |
| Chemtrec: 1-800-424-9300 (24 hours)<br>International: 1-703-741-5970 (24 hours) |  |
| SECTION 2: Hazards identificatio  | n  |
| 2.1. Classification of the substance  | or mixture                                       |
| Classification according to Regulation (E                                       | C) No. 1272/2008 [CLP]                           |
| Not classified  |  |
| Classification according to Directive 67/5                                      | 48/EEC or 1999/45/EC                             |
| Not classified  |  |
| Classification (GHS-US)   |  |
| Not classified  |  |
|   |  |
| Adverse physicochemical, human health   | and environmental effects                        |
| No additional information available   |  |
| 2.2. Label elements   |  |
|   | 4070/0000 FCI D1                                 |
| Labeling according to Regulation (EC) No  | 5. 12/2/2008 [CLP]                               |
| No labeling applicable  |  |
| GHS-US labeling   |  |
|   |  |
| No labeling applicable  |  |
| 2.3. Other hazards  |  |
|   |  |

### **SECTION 3: Composition/information on ingredients**

3.1. Substances

### Not applicable

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| 3.2. Mixtures       |                    |     |   |
|---------------------|--------------------|-----|---|
| Name                | Product identifier | %   | Classification according to<br>Directive 67/548/EEC                   |
| SIS PEPTIDE MIXTURE |                    | 100 | Not classified  |
|                     |                    |     |   |
| Name                | Product identifier | %   | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP] |

Full text of R-, H- and EUH-phrases: see section 16

| SECTI               | ON 4: First aid measures                                  |  |
|---------------------|---|--|
| 4.1.                | Description of first aid measures                         |  |
|                     | measures after inhalation<br>measures after ingestion     | <ul> <li>If not breathing give artificial respiration.</li> <li>Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.</li> </ul> |
| 4.2.                | Most important symptoms and effect                        | s, both acute and delayed  |
| No additi           | onal information available                                |  |
| 4.3.                | Indication of any immediate medical                       | attention and special treatment needed   |
| No additi           | onal information available                                |  |
| SECTI               | ON 5: Firefighting measures                               |  |
| 5.1.                | Extinguishing media                                       |  |
| suitable e          | extinguishing media                                       | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  |
| 5.2.                | Special hazards arising from the sub                      | stance or mixture  |
| Reactivit           | у   | : Not available.   |
| 5.3.                | Advice for firefighters                                   |  |
| •                   | ng instructions<br>n during firefighting                  | <ul> <li>The product itself does not burn.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>                   |
| SECTI               | ON 6: Accidental release meas                             | ures   |
| 6.1.                | Personal precautions, protective equ                      | ipment and emergency procedures  |
| 6.1.1.<br>No additi | For non-emergency personnel<br>onal information available |  |
| 6.1.2.<br>No additi | For emergency responders<br>onal information available    |  |
| 6.2.                | Environmental precautions                                 |  |
| Prevent             | entry to sewers and public waters.                        |  |
| 6.3.                | Methods and material for containment                      | nt and cleaning up   |
| For conta           | ainment   | : Wipe up with absorbent material (e.g. cloth, fleece).  |
| 6.4.                | Reference to other sections                               |  |
| No additi           | onal information available                                |  |
| SECTI               | ON 7: Handling and storage                                |  |
| 7.1.                | Precautions for safe handling                             |  |
| Hygiene             | measures  | : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.   |
| 7.2.                | Conditions for safe storage, includin                     | g any incompatibilities  |
|                     | Il measures   | : Keep container tightly closed in a dry and well-ventilated place.  |
| Storage             | conditions  | : Store in freezer (-80°C).  |
| 7.3.                | Specific end use(s)                                       |  |
| No additi           | onal information available                                |  |
| SECTI               | ON 8: Exposure controls/perso                             | nal protection   |
| 8.1.                | Control parameters  |  |
| No additi           | onal information available                                |  |

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| 8.2. Exposure controls       |   |
|------------------------------|---|
| Personal protective equipmer | t : Safety glasses. Gloves. Protective clothing. Respiratory protection of the dependent type.                      |
|                              |   |
| Eye protection               | : Wear safety glasses with side shields (or goggles) and a face shield.   |
| Skin and body protection     | : Choose body protection according to the amount and concentration of the dangerous substance<br>at the work place. |
| Respiratory protection       | : When appropriate, use NIOSH/CEN approved respirator.  |

| 9.1. Information on basic physical and                         | I chemical properties   |
|--|-------------------------|
| The properties listed below are for the solvent, the main comp | ponent of this mixture. |
| Physical state   | : Solid                 |
| Appearance   | : Solid.                |
| Color  | : No data available     |
| Odor   | : No data available     |
| Odor threshold   | : No data available     |
| рН   | : No data available     |
| Relative evaporation rate (butyl acetate=1)                    | : No data available     |
| Melting point  | : No data available     |
| Freezing point   | : No data available     |
| Boiling point  | : No data available     |
| Flash point  | : No data available     |
| Self ignition temperature                                      | : No data available     |
| Decomposition temperature                                      | : No data available     |
| Flammability (solid, gas)                                      | : No data available     |
| Vapor pressure   | : No data available     |
| Relative vapor density at 20 °C                                | : No data available     |
| Relative density   | : No data available     |
| Solubility   | : No data available     |
| Log Pow  | : No data available     |
| Log Kow  | : No data available     |
| Viscosity, kinematic   | : No data available     |
| Viscosity, dynamic   | : No data available     |
| Explosive properties   | : No data available     |
| Oxidizing properties   | : No data available     |
| Explosive limits   | : No data available     |

No additional information available

| SECT           | ION 10. Stability and reactivity   |  |  |
|----------------|------------------------------------|--|--|
| SECI           | ION 10: Stability and reactivity   |  |  |
| 10.1.          | Reactivity                         |  |  |
| Not available. |                                    |  |  |
| 10.2.          | Chemical stability                 |  |  |
| Use wit        | hin 3 months of receipt.           |  |  |
| 10.3.          | Possibility of hazardous reactions |  |  |
| No addi        | itional information available      |  |  |
| 10.4.          | Conditions to avoid                |  |  |
| Not ava        | ilable.                            |  |  |
| 10.5.          | Incompatible materials             |  |  |
| No data        | a available.                       |  |  |
| 10.6.          | Hazardous decomposition products   |  |  |
| No data        | a available.                       |  |  |

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| SECTION 11: Toxicological information              |   |                |
|--|---|----------------|
| 11.1. Information on toxicological effects         |   |                |
| Acute toxicity                                     | : | Not classified |
| Skin corrosion/irritation                          | : | Not classified |
| Serious eye damage/irritation                      | : | Not classified |
| Respiratory or skin sensitization                  | : | Not classified |
| Germ cell mutagenicity                             | : | Not classified |
| Carcinogenicity                                    | : | Not classified |
| Reproductive toxicity                              | : | Not classified |
| Specific target organ toxicity (single exposure)   | : | Not classified |
| Specific target organ toxicity (repeated exposure) | : | Not classified |
| Aspiration hazard                                  | : | Not classified |

| 12.1. Toxicity         No additional information available         12.2. Persistence and degradability         No additional information available         12.3. Bioaccumulative potential         No additional information available         12.4. Mobility in soil         No additional information available         12.5. Results of PBT and VPAB assessment         No additional information available         12.6. Other adverse effects         No additional information         Sectron 13. Disposal considerations         Sectron 13. Disposal considerations         Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional vaste disposal service to dispose of this material.         Ecology - waste material   | SECTION 12: Ecological information       |   |
|--|--|---|
| No additional information available   12.1 Persistence and degradability   No additional information available   12.1 Bioaccumulative potential   No additional information available   12.1 Mobility in soil   12.1 No bility in soil   No additional information available   12.1 Mobility in soil   12.1 No bility in soil   No additional information available   12.1 No bility in soil   12.1 Other adverse effects   No additional information available   13.1 Waste treatment methods   Regional legislation (waste)   2 Other adverse effects   No additional information   13.1 Waste treatment methods   Regional legislation (waste)   2 Other adverse effects   No additional information   2 Other adverse effects   No additional information   2 Other adverse effects   No additional methods   2 Other adverse offects   Sectoron 14: Perspect Information   2 Other adverse offects   No applicable   2 UN proper shipping name   Not applicable   14.1 UN number   Not applicable   14.2 UN proper shipping name   Not applicable   14.3 Additional information   14.4 UN number   Not applicable   14.5 Other adverse offect adverse offect adverse of th  |  |   |
| No additional information available         12.3. Bioaccumulative potential         No additional information available         12.4. Mobility in soil         No additional information available         12.5. Results of PBT and vPVB assessment         No additional information available         12.6. Other adverse effects         No additional information available         25.CETION 13: Disposal considerations         13.1. Waste treatment methods         Regional legislation (waste)       : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       : Dispose of as unused product.         14.1. UN number       Not applicable         14.2. UN proper shipping name       Not applicable         14.3. Additional information<  |  |   |
| No additional information available         12.3.       Bioaccumulative potential         No additional information available         12.4.       Mobility in soil         No additional information available         12.5.       Results of PBT and vPVB assessment         No additional information available         12.6.       Other adverse effects         No additional information available         25.       Considerations         25.       Other adverse effects         No additional information available       Secriton 13: Disposal considerations         25.       Considerations         25.       Other adverse offects         No additional information available       Secriton 13: Disposal considerations         25.       Other adverse offects         No additional information available       Secriton 13: Disposal considerations         25.       Other surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       : Dispose of as unused product.         14.1       UN number         Not applicable       In accordance with ADR / IND / ADNR / IMDG / ICAO / IATA <td< td=""><td></td><td></td></td<>   |  |   |
| 12.3. Bioaccumulative potential         No additional information available         12.4. Mobility in soil         No additional information available         12.5. Results of PBT and vPvB assessment         No additional information available         12.6. Other adverse effects         No additional information available         12.6. Other adverse effects         No additional information available         12.1. Waste treatment methods         13.1. Waste treatment methods         Regional legislation (waste)       : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       in accordance with ADR / NDNR / IMDG / ICAO / IATA         14.1. UN number       In accordance with ADR / NDNR / IMDG / ICAO / IATA         14.2. UN proper shipping name       Not applicable         14.3. Additional information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       : Not dangerous goods.         Ova   | 12.2. Persistence and degradability      |   |
| No additional information available         12.4.       Mobility in soil         No additional information available         12.5.       Results of PBT and vPVB assessment         No additional information available         12.6.       Other adverse effects         No additional information available         12.6.       Other adverse effects         No additional information available         SECTION 13: Disposal considerations         13.1.       Waste treatment methods         Regional legislation (waste)       :         Waste disposal recommendations       :         Voter adverse effects       :         Vaste disposal recommendations       :         Cology - waste materials       :         Dispose of as unused product.       :         SECTION 14: Transport information       :         In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA       :         14.1.       UN proper shipping name       :         Not applicable       :       :         14.3.       Additional information       :         Cher information       :       :         Special transport precautions       :       Not dangerous goods.         Overiand inanymation       :       Not  | No additional information available      |   |
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| No additional information available  12.5. Results of PBT and vPvB assessment No additional information available  12.6. Other adverse effects No additional information available  25. Other adverse effects No additional information available  25. Other adverse effects  13.1. Waste treatment methods  26. Content of the second of the seco | No additional information available      |   |
| 12.5.       Results of PBT and VPVB assessment         No additional information available         12.6.       Other adverse effects         No additional information available         SECTION 13: Disposal considerations         13.1.       Waste treatment methods         Regional legislation (waste)       : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information         In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1.       UN proper shipping name         Not applicable         14.3.       Additional information         Cher information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       No additional information available         Transport by sea       :  | 12.4. Mobility in soil                   |   |
| No additional information available  12.6. Other adverse effects No additional information available  SECTION 13: Disposal considerations  13.1. Waste treatment methods Regional legislation (waste)  2 Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.  Waste disposal recommendations  2 Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Ecology - waste materials  2 Differ surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Ecology - waste materials  2 Dispose of as unused product.  SECTION 14: Transport information In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA 14.1. UN number Not applicable  14.2. UN proper shipping name Not applicable  14.3. Additional information Other information Cother informatin available Cother information Cother information Cothe | No additional information available      |   |
| 12.6. Other adverse effects         No additional information available         SECTION 13: Disposal considerations         13.1. Waste treatment methods         Regional legislation (waste)       : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1. UN number       Not applicable         14.2. UN proper shipping name       Not applicable         14.3. Additional information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       Not additional information available         Transport by sea       :  | 12.5. Results of PBT and vPvB assessmer  | it  |
| No additional information available         SECTION 13: Disposal considerations         13.1. Waste treatment methods         Regional legislation (waste)       : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1. UN number       Not applicable         Not applicable       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.2. UN proper shipping name       Not applicable         Not applicable       In accordance with ADR / MD / ADNR / IMDG / ICAO / IATA         14.3. Additional information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.3. Additional information       In accordance with ADR / IMDE / ICAO / IATA         14.3. Additional information       In accordance / Information available.         Special transport precautions       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       No additional information available. <td< td=""><td>No additional information available</td><td></td></td<>   | No additional information available      |   |
| No additional information available         SECTION 13: Disposal considerations         13.1. Waste treatment methods         Regional legislation (waste)       : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1. UN number       Not applicable         Not applicable       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.2. UN proper shipping name       Not applicable         Not applicable       In accordance with ADR / MD / ADNR / IMDG / ICAO / IATA         14.3. Additional information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.3. Additional information       In accordance with ADR / IMDE / ICAO / IATA         14.3. Additional information       In accordance / Information available.         Special transport precautions       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       No additional information available. <td< td=""><td>12.6. Other adverse effects</td><td></td></td<>   | 12.6. Other adverse effects              |   |
| SECTION 13: Disposal considerations         13.1. Waste treatment methods         Regional legislation (waste)       : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1. UN number       Not applicable         14.2. UN proper shipping name       Not applicable         14.3. Additional information       : No supplementary information available.         Special transport       : Not dangerous goods.         Overland transport       : Not dangerous goods.         Overland transport       : No additional information available.         Transport by sea       : Not dangerous goods.   |  |   |
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| Regional legislation (waste)       : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1.       UN number         Not applicable       Internation         14.2.       UN proper shipping name         Not applicable       Information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       : Not dangerous goods.         Overland transport       : Not additional information available         Transport by sea       : Not dangerous goods.  |  | 5   |
| environmental control regulations.         Waste disposal recommendations       : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.         Ecology - waste materials       : Dispose of as unused product.         SECTION 14: Transport information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1.       UN number         Not applicable       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.2.       UN proper shipping name         Not applicable       Information         14.3.       Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       Not additional information available         Transport by sea       Transport by sea   |  | · Waste materials should be disposed of under conditions which meet Federal. State, and Local |
| Ecology - waste materials       Dispose of as unused product.         SECTION 14: Transport information       In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1.       UN number         Not applicable       Intervention         14.2.       UN proper shipping name         Not applicable       Intervention         14.3.       Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       Not additional information available         Transport by sea       Intervention   | Regional registration (waste)            |   |
| SECTION 14: Transport information         In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA         14.1.       UN number         Not applicable         14.2.       UN proper shipping name         Not applicable         14.3.       Additional information         Other information <ul> <li>No supplementary information available.</li> <li>Special transport precautions</li> <li>in Not dangerous goods.</li> </ul> Overland transport         No additional information available   | Waste disposal recommendations           |   |
| In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA          14.1.       UN number         Not applicable         14.2.       UN proper shipping name         Not applicable         14.3.       Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       No additional information available         Transport by sea       : Seat information available   | Ecology - waste materials                | : Dispose of as unused product.   |
| In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA          14.1.       UN number         Not applicable         14.2.       UN proper shipping name         Not applicable         14.3.       Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       No additional information available         Transport by sea       : Seat State   | <b>SECTION 14: Transport information</b> |   |
| Not applicable         14.2. UN proper shipping name         Not applicable         14.3. Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport<br>No additional information available         Transport by sea   |  | CAO / IATA  |
| 14.2. UN proper shipping name         Not applicable         14.3. Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport         No additional information available         Transport by sea   | 14.1. UN number                          |   |
| Not applicable         14.3.       Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       No additional information available         Transport by sea       : Intervent of the second sec   | Not applicable                           |   |
| Not applicable         14.3.       Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       No additional information available         Transport by sea       : Intervent of the second sec   | 14.2 LIN proper shipping name            |   |
| 14.3. Additional information         Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport       No additional information available         Transport by sea       :  |  |   |
| Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport  |  |   |
| Other information       : No supplementary information available.         Special transport precautions       : Not dangerous goods.         Overland transport  | 14.3 Additional information              |   |
| Special transport precautions     : Not dangerous goods.       Overland transport     No additional information available       Transport by sea   |  | : No supplementary information available.   |
| Overland transport<br>No additional information available<br>Transport by sea  |  |   |
| No additional information available Transport by sea   | Special transport precautions            | . Not dangerous goods.  |
| No additional information available Transport by sea   | Overland transport                       |   |
| Transport by sea   |  |   |
|  |  |   |
|  | Transport by sea                         |   |
| No additional information available  | No additional information available      |   |

09/06/2016

### Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### Air transport

No additional information available

| 14.4.    | Environmental hazards        |   |
|----------|------------------------------|---|
| Other in | formation                    | : No supplementary information available. |
| 14.5.    | Special precautions for user |   |
| Special  | transport precautions        | : Not dangerous goods.                    |

## 14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### Not applicable

| SECTION 15: Regulatory information  |                                 |
|-------------------------------------|---------------------------------|
| 15.1. US Federal regulations        |                                 |
| LIGHT PEPTIDE MIXTURE               |                                 |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |

#### 15.2. International regulations

#### CANADA

### LIGHT PEPTIDE MIXTURE

Listed on the Canadian DSL (Domestic Substances List) inventory.

### 15.2.1. National regulations

No additional information available

| 15.3. US State regulations |   |
|----------------------------|---|
| LIGHT PEPTIDE MIXTURE()    |   |
| State or local regulations | U.S Massachusetts - Right To Know List<br>U.S Pennsylvania - RTK (Right to Know) List<br>U.S New Jersey - Right to Know Hazardous Substance List<br>This product does not contain any chemicals known to State of California to cause cancer,<br>birth defects, or any other reproductive harm. |

| <b>SECTION 16: Other information</b> |  |
|--------------------------------------|--|
| Other information                    | : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound. |
| NFPA health hazard                   | : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.  |
| NFPA fire hazard                     | : 0 - Materials that will not burn.  |
| NFPA reactivity                      | <ul> <li>0 - Normally stable, even under fire exposure conditions,<br/>and are not reactive with water.</li> </ul>   |
| HMIS III Rating                      |  |
| Health                               | : 0 Minimal Hazard - No significant risk to health   |
| Flammability                         | : 0 Minimal Hazard   |
| Physical                             | : 0 Minimal Hazard   |
| CIL Mixture SDS                      |  |

### 09/06/2016

### Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



# **TRYPSIN**

## Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Version: 1.0 :

Date of issue: 19/02/2016

Revision date:

**TRYPSIN** 

| SECT       |   | bstance/mixture and of the company/undertaking |
|------------|---|--|
| 1.1.       | Product identifier  |  |
| Product    |   | : Mixtures                                     |
| Product    |   | : TRYPSIN                                      |
| Product    | code  | : TRYPSIN                                      |
| 1.2.       | Relevant identified uses of the sub                               | ostance or mixture and uses advised against    |
| 1.2.1.     | Relevant identified uses  |  |
| Industria  | al/Professional use spec  | : For professional use only.                   |
| 1.2.2.     | Uses advised against  |  |
| No addi    | tional information available                                      |  |
| 1.3.       | Details of the supplier of the safet                              | y data sheet                                   |
| 50 Fron    | dge Isotope Laboratories, Inc.<br>tage Road<br>r, MA 01810        |  |
|            | -800-322-1174 Int: 1-978-749-8000<br>@isotope.com www.isotope.com |  |
|            | Emergency telephone number  |  |
| Emerge     | ncy numbers:  |  |
|            | ec: 1-800-424-9300 (24 hours)<br>ional: 1-703-741-5970 (24 hours) |  |
| SECT       | ION 2: Hazards identification                                     |  |
| 2.1.       | Classification of the substance or                                | mixture  |
| Classifi   | ication according to Regulation (EC)                              | No. 1272/2008 [CLP]                            |
| Skin Irrit | t. 2 H315   |  |
| Eye Irrit  | . 2 H319  |  |
| Resp. S    | Sens. 1 H334  |  |
| Skin Se    | ns. 1 H317  |  |
| STOT S     | SE 3 H335   |  |
| Full text  | of H-phrases: see section 16                                      |  |
| Classifi   | ication according to Directive 67/548                             | /EEC or 1999/45/EC                             |
| Xi; R36/   | -   |  |
| R42        |   |  |
| R43        |   |  |
| Full text  | of R-phrases: see section 16                                      |  |
|            |   |  |

#### **Classification (GHS-US)**

Skin Irrit. 2 Eye Irrit. 2A H315 H319 Resp. Sens. 1 H334 Skin Sens. 1 H317 STOT SE 3 H335

### Adverse physicochemical, human health and environmental effects

No additional information available

Safety Data Sheet according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| 2.2. Label elements   |   |
|---|---|
| Labeling according to Regulation (EC) Mazard pictograms (CLP) | No. 1272/2008 [CLP]   |
|   |   |
|   | GHS08 GHS07   |
| Signal word (CLP)   | : Danger  |
| Hazard statements (CLP)                                       | <ul> <li>H315 - Causes skin irritation</li> <li>H317 - May cause an allergic skin reaction</li> <li>H319 - Causes serious eye irritation</li> <li>H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled</li> <li>H335 - May cause respiratory irritation</li> </ul>  |
| Precautionary statements (CLP)                                | <ul> <li>P261 - Avoid breathing dust, fume, gas, mist, spray, vapors</li> <li>P264 - Wash Both hands thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace</li> <li>P280 - Wear protective clothing, protective gloves</li> <li>P284 - Wear respiratory protection</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of water/</li> <li>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing</li> </ul>   |
| GHS-US labeling   |   |
| Hazard pictograms (GHS-US)                                    | :<br>GHS08 GHS07  |
| Signal word (GHS-US)  | : Danger  |
| Hazard statements (GHS-US)                                    | <ul> <li>H315 - Causes skin irritation</li> <li>H317 - May cause an allergic skin reaction</li> <li>H319 - Causes serious eye irritation</li> <li>H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled</li> <li>H335 - May cause respiratory irritation</li> </ul>  |
| Precautionary statements (GHS-US)                             | <ul> <li>P261 - Avoid breathing dust, fume, gas, mist, spray, vapors</li> <li>P264 - Wash Both hands thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace</li> <li>P280 - Wear protective clothing, protective gloves</li> <li>P284 - Wear respiratory protection</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER/doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see Hazard pictograms (CLP) on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P337+P313 - If skin irritation or rash occurs: Get medical advice/attention</li> <li>P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physicia</li> <li>P362 - Take off contaminated clothing and wash before reuse</li> <li>P362+P333 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to Comply with applicable regulations.</li> </ul> |

2.3. Other hazards

No additional information available

# **SECTION 3: Composition/information on ingredients**

3.1. Substances Not applicable

Safety Data Sheet according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| 3.2. Mixtures |   |     |  |
|---------------|---|-----|--|
| Name          | Product identifier  | %   | Classification according to<br>Directive 67/548/EEC  |
| TRYPSIN       | (CAS No) 9002-07-7 (Unlabeled)<br>(EC no) 232-650-8 (Unlabeled)<br>(EC index no) 647-010-00-7 (Unlabeled) | 100 | Xi; R36/37/38<br>R42<br>R43  |
| Name          | Product identifier  | %   | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP]                                      |
| TRYPSIN       | (CAS No) 9002-07-7 (Unlabeled)<br>(EC no) 232-650-8 (Unlabeled)<br>(EC index no) 647-010-00-7 (Unlabeled) | 100 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>STOT SE 3, H335  |
| Name          | Product identifier  | %   | Classification (GHS-US)  |
| TRYPSIN       | (CAS No) 9002-07-7 (Unlabeled)  | 100 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>STOT SE 3, H335 |

### Full text of R-, H- and EUH-phrases: see section 16

| SECTION 4: First aid measures              |   |
|--|---|
| 4.1. Description of first aid measures     |   |
| First-aid measures after inhalation        | : If not breathing give artificial respiration.   |
| First-aid measures after ingestion         | : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.                           |
| 4.2. Most important symptoms and effect    | ts, both acute and delayed  |
| No additional information available        |   |
| 4.3. Indication of any immediate medical   | l attention and special treatment needed  |
| No additional information available        |   |
| SECTION 5: Firefighting measures           |   |
| 5.1. Extinguishing media                   |   |
| suitable extinguishing media               | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                       |
| 5.2. Special hazards arising from the sul  | bstance or mixture  |
| Reactivity                                 | : Not available.  |
| 5.3. Advice for firefighters               |   |
| Firefighting instructions                  | : The product itself does not burn.   |
| Protection during firefighting             | : Do not enter fire area without proper protective equipment, including respiratory protection.                                 |
| SECTION 6: Accidental release meas         | sures   |
| 6.1. Personal precautions, protective eq   | uipment and emergency procedures  |
| 6.1.1. For non-emergency personnel         |   |
| No additional information available        |   |
| 6.1.2. For emergency responders            |   |
| No additional information available        |   |
| 6.2. Environmental precautions             |   |
| Prevent entry to sewers and public waters. |   |
| 6.3. Methods and material for containme    | ent and cleaning up   |
| For containment                            | : Wipe up with absorbent material (e.g. cloth, fleece).   |
| 6.4. Reference to other sections           |   |
| No additional information available        |   |
| SECTION 7: Handling and storage            |   |
| 7.1. Precautions for safe handling         |   |
| Hygiene measures                           | : Handle in accordance with good industrial hygiene and safety practice. Wash hands before<br>breaks and at the end of workday. |

## Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| 7.2. Conditions for safe storage, include                      | ding any incompatibilities   |
|--|--|
| Technical measures   | : Keep container tightly closed in a dry and well-ventilated place.  |
| Storage conditions   | : Store in freezer (-80°C).  |
| 7.3. Specific end use(s)                                       |  |
| No additional information available                            |  |
| SECTION 8: Exposure controls/per                               | sonal protection   |
| 8.1. Control parameters  |  |
| No additional information available                            |  |
|  |  |
| 8.2. Exposure controls   |  |
| Personal protective equipment                                  | : Safety glasses. Gloves. Protective clothing. Respiratory protection of the dependent type.                       |
| Eye protection   | : Wear safety glasses with side shields (or goggles) and a face shield.  |
| Skin and body protection                                       | : Choose body protection according to the amount and concentration of the dangerous substant<br>at the work place. |
| Respiratory protection   | : When appropriate, use NIOSH/CEN approved respirator.   |
| SECTION 9: Physical and chemical                               | properties   |
| 9.1. Information on basic physical and                         |  |
| The properties listed below are for the solvent, the main comp | onent of this mixture.   |
| Physical state   | : Solid  |
| Appearance   | : Powder.  |
| Color  | : Beige.   |
| Odor   | : No data available  |
| Odor threshold   | : No data available  |
| pH   | : No data available  |
| Relative evaporation rate (butyl acetate=1)                    | : No data available  |
| Melting point  | : No data available  |
| Freezing point   | : No data available  |
| Boiling point  | : No data available  |
| Flash point  | : No data available  |
| Self ignition temperature                                      | : No data available  |
| Decomposition temperature                                      | : No data available  |
| Flammability (solid, gas)                                      | : No data available  |
| Vapor pressure   | : No data available  |
| Relative vapor density at 20 °C                                | : No data available  |
| Relative density   | : No data available  |
|  |  |
| Solubility   | : No data available  |

Oxidizing properties Explosive limits 9.2. Other information No additional information available

| <b>SECTIO</b> | N 10: Stability and reactivity |
|---------------|--------------------------------|
|               |                                |
| 10.1.         | Reactivity                     |
| Not availa    | ble.                           |
| 10.2.         | Chemical stability             |
| Use within    | 3 months of receipt.           |

Log Kow

Viscosity, kinematic

Viscosity, dynamic

Explosive properties

: No data available

: No data available

: No data available

No data availableNo data available

: No data available

# Safety Data Sheet according to Regulation (EC) No.

453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations aco

| according to Regulation (EC) No. 453/2010 and accordin | ig to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations                         |
|--|---|
| 10.3. Possibility of hazardous reactions               |   |
| No additional information available                    |   |
| 10.4. Conditions to avoid                              |   |
| Not available.   |   |
| 10.5. Incompatible materials                           |   |
| No data available.                                     |   |
| 10.6. Hazardous decomposition products                 | 3   |
| No data available.                                     |   |
| <b>SECTION 11: Toxicological informat</b>              | tion  |
| 11.1. Information on toxicological effects             |   |
| Acute toxicity   | : Not classified  |
| TRYPSIN (9002-07-7 (Unlabeled))                        |   |
| LD50 oral rat  | > 5000 mg/kg  |
| Skin corrosion/irritation                              | : Causes skin irritation.   |
| Serious eye damage/irritation                          | : Causes serious eye irritation.  |
| Respiratory or skin sensitization                      | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. |
| Germ cell mutagenicity                                 | : Not classified  |
| Carcinogenicity  | : Not classified  |
| Reproductive toxicity                                  | : Not classified  |
| Specific target organ toxicity (single exposure)       | : May cause respiratory irritation.   |
| Specific target organ toxicity (repeated exposure)     | : Not classified  |
| Aspiration hazard                                      | : Not classified  |

| SECT    | ION 12: Ecological information            |  |
|---------|---|--|
| 12.1.   | Toxicity                                  |  |
| No add  | itional information available             |  |
| 12.2.   | Persistence and degradability             |  |
| No add  | itional information available             |  |
| 12.3.   | Bioaccumulative potential                 |  |
| No add  | itional information available             |  |
| 12.4.   | Mobility in soil                          |  |
| No add  | itional information available             |  |
| 12.5.   | Results of PBT and vPvB assessment        |  |
| No add  | itional information available             |  |
| 12.6.   | Other adverse effects                     |  |
| No add  | itional information available             |  |
| SECT    | ION 13: Disposal considerations           |  |
| 13.1.   | Waste treatment methods                   |  |
| Region  | al legislation (waste) :                  | Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations. |
| SECT    | ION 14: Transport information             |  |
| In acco | rdance with ADR / RID / ADNR / IMDG / IC/ | ΑΟ / ΙΑΤΑ  |
| 14.1.   | UN number                                 |  |
| Not app | blicable                                  |  |
| 44.0    | LINE services and the stress services     |  |

## 14.2. UN proper shipping name

Not applicable

### Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| 14.3. Additional information        |   |
|-------------------------------------|---|
| Other information                   | : No supplementary information available. |
| Special transport precautions       | : Not dangerous goods.                    |
| Overland transport                  |   |
| No additional information available |   |
| Transport by sea                    |   |
| No additional information available |   |
| Air transport                       |   |
| No additional information available |   |
| 14.4. Environmental hazards         |   |
| Other information                   | : No supplementary information available. |
| 14.5. Special precautions for user  |   |
| Special transport precautions       | : Not dangerous goods.                    |

#### 14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

| SECTION 15: Regulatory information  |                                 |
|-------------------------------------|---------------------------------|
| 15.1. US Federal regulations        |                                 |
| TRYPSIN                             |                                 |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
| TRYPSIN (9002-07-7 (Unlabeled))     |                                 |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |

#### 15.2. International regulations

| CANADA   |
|--|
| TRYPSIN  |
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

#### 15.2.1. National regulations

#### No additional information available

### 15.3. US State regulations

| TRYPSIN()                  |   |
|----------------------------|---|
| State or local regulations | U.S Pennsylvania - RTK (Right to Know) List<br>U.S New Jersey - Right to Know Hazardous Substance List<br>This product does not contain any chemicals known to State of California to cause cancer,<br>birth defects, or any other reproductive harm. |

### TRYPSIN (9002-07-7 (Unlabeled))

U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List

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

## **SECTION 16: Other information**

### Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information

: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

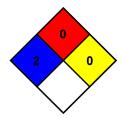
#### Full text of R-, H- and EUH-phrases::

| ,             |   |
|---------------|---|
| Eye Irrit. 2  | Serious eye damage/eye irritation Category 2                              |
| Resp. Sens. 1 | Respiratory sensitisation Category 1                                      |
| Skin Irrit. 2 | skin corrosion/irritation Category 2                                      |
| Skin Sens. 1  | Skin sensitization Category 1   |
| STOT SE 3     | Specific target organ toxicity (single exposure) Category 3               |
| H315          | Causes skin irritation  |
| H317          | May cause an allergic skin reaction                                       |
| H319          | Causes serious eye irritation   |
| H334          | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H335          | May cause respiratory irritation  |
| R36/37/38     | Irritating to eyes, respiratory system and skin                           |
| R42           | May cause sensitization by inhalation                                     |
| R43           | May cause sensitization by skin contact                                   |
| Xi            | Irritant  |

#### NFPA health hazard

NFPA fire hazard NFPA reactivity

- 2 Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
   0 Materials that will not burn.
  - : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

| Health       | : | 2 Moderate Hazard - Temporary or minor injury may occur |
|--------------|---|---|
| Flammability | : | 0 Minimal Hazard  |
| Physical     | : | 0 Minimal Hazard  |

#### CIL Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



### Safety Data Sheet

 according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

 Date of issue: 21/09/2017
 Revision date:
 :
 Version: 1.0

 BSA

| <b>SECTION 1: Identification of the s</b>  | substance/mixture and of the company/undertaking |
|--|--|
| 1.1. Product identifier                    |  |
| Product form                               | : Substance                                      |
| Substance name                             | : BOVINE SERUM ALBUMIN                           |
| Product code                               | : BSA  |
| 1.2. Relevant identified uses of the s     | substance or mixture and uses advised against    |
| 1.2.1. Relevant identified uses            |  |
| Main use category                          | : Professional use                               |
| Industrial/Professional use spec           | : For professional use only                      |
| 1.2.2. Uses advised against                |  |
| No additional information available        |  |
| 1.3. Details of the supplier of the saf    | fety data sheet                                  |
| Cambridge Isotope Laboratories, Inc.       |  |
| 50 Frontage Road                           |  |
| Andover, MA 01810<br>USA                   |  |
| USA: 1-800-322-1174 Int: 1-978-749-800     | 0  |
| cilsales@isotope.com www.isotope.com       |  |
| Emergency telephone number                 |  |
| Emergency numbers:                         |  |
| Chemtrec: 1-800-424-9300 (24 hours)        |  |
| International: 1-703-741-5970 (24 hours)   |  |
| SECTION 2: Hazards identificatio           | n  |
| 2.1. Classification of the substance       | or mixture                                       |
| Classification according to Regulation (E  | C) No. 1272/2008 [CLP]                           |
| Not classified                             |  |
| Classification according to Directive 67/5 | 48/EEC [DSD] or 1999/45/EC [DPD]                 |
| Not classified                             |  |
|  |  |
| GHS-US classification                      |  |
| Not classified                             |  |
|  |  |
| Adverse physicochemical, human health      | and environmental effects                        |
| No additional information available        |  |
| 2.2. Label elements                        |  |
| Labelling according to Regulation (EC) N   |  |
| No labelling applicable                    |  |
|  |  |
| GHS-US labelling                           |  |
| GIIS-05 labelling                          |  |
| No labelling applicable                    |  |
| 2  |  |
| 2.3. Other hazards                         |  |
| No additional information available        |  |
| SECTION 3: Composition/information         | ation on ingredients                             |
| 3.1. Substances                            |  |
|  |  |

3.1. Substances

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Name                 | Product identifier | %   | Classification according to<br>Directive 67/548/EEC                   |
|----------------------|--------------------|-----|---|
| BOVINE SERUM ALBUMIN | (EC Index No)      | 100 | Not classified  |
| Name                 | Product identifier | %   | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP] |
| BOVINE SERUM ALBUMIN | (EC Index No)      | 100 | Not classified  |

Full text of R- and H-statements: see section 16

| Name                                       | Product identifier | %   | GHS-US classification |
|--|--------------------|-----|-----------------------|
| BOVINE SERUM ALBUMIN<br>(Main constituent) |                    | 100 | Not classified        |

Full text of H-statements: see section 16

3.2. **Mixtures** Not applicable

**SECTION 4: First aid measures** 4.1. **Description of first aid measures** : If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area. First-aid measures general : When symptoms occur: go into open air and ventilate suspected area. If not breathing, give First-aid measures after inhalation artificial respiration. Get medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Get immediate medical advice/attention. First-aid measures after eye contact : Rinse cautiously with water for several minutes. : Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get First-aid measures after ingestion medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed : May be harmful if inhaled. May cause respiratory irritation. Symptoms/injuries after inhalation Symptoms/injuries after skin contact : May be harmful in contact with skin. May cause moderate irritation. Symptoms/injuries after eye contact : May cause eye irritation. Symptoms/injuries after ingestion : May be harmful if swallowed. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available **SECTION 5: Fire-fighting measures** 5.1. **Extinguishing media** Suitable extinguishing media : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). 5.2. Special hazards arising from the substance or mixture No additional information available 5.3. Advice for firefighters Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Do not enter fire area without proper protective equipment, including respiratory protection. Protection during firefighting Wear recommended personal protective equipment.

| SECTION 6: Accidental release measures  |  |  |  |
|---|--|--|--|
| 6.1.  | Personal precautions, protective eq                    | uipment and emergency procedures   |  |
| 6.1.1.<br>Emergen   | For non-emergency personnel<br>cy procedures           | : Avoid breathing vapours, mist, gas. Avoid dust formation.  |  |
| 6.1.2.<br>No additi   | For emergency responders<br>onal information available |  |  |
| 6.2.  | Environmental precautions                              |  |  |
| Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment. |  |  |  |
| 6.3.  | Methods and material for containme                     | nt and cleaning up   |  |
| For conta<br>Methods  | ainment<br>for cleaning up                             | <ul><li>Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.</li><li>This material and its container must be disposed of in a safe way, and as per local legislation.</li></ul> |  |

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| 6.4. Reference to other sections          |  |
|---|--|
| No additional information available       |  |
| SECTION 7: Handling and storage           |  |
| 7.1. Precautions for safe handling        |  |
| Precautions for safe handling             | : Provide adequate ventilation to minimize dust and/or vapour concentrations.  |
| Hygiene measures                          | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.    |
| 7.2. Conditions for safe storage, include | ling any incompatibilities   |
| Technical measures                        | : Store in a well-ventilated place. Keep container tightly closed.   |
| Storage conditions                        | : Store in freezer (-20°C).  |
| 7.3. Specific end use(s)                  |  |
| No additional information available       |  |
| SECTION 8: Exposure controls/per          | sonal protection   |
| 8.1. Control parameters                   |  |
| No additional information available       |  |
| 8.2. Exposure controls                    |  |
| Appropriate engineering controls          | : Wash hands and other exposed areas with mild soap and water before eating, drinking or<br>smoking and when leaving work. |
| Personal protective equipment             | : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.                                     |
|   |  |
| Materials for protective clothing         | : Wear suitable protective clothing and gloves.  |
| Hand protection                           | : Wear suitable protective clothing and gloves.  |
| Eye protection                            | : Wear eye protection. Chemical goggles or face shield with safety glasses.  |
| Skin and body protection                  | : Wear suitable protective clothing, gloves and eye/face protection.   |
| Respiratory protection                    | : In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.                         |
| Environmental exposure controls           | : Avoid release to the environment.  |
| <b>SECTION 9: Physical and chemical</b>   | properties   |

| 9.1. Information on basic physical and     | chemical properties   |
|--|-----------------------|
| Physical state                             | : Solid               |
| Appearance                                 | : Solid.              |
| Colour                                     | : White to off-white. |
| Odour                                      | : No data available.  |
| Odour threshold                            | : No data available   |
| pH   | : No data available   |
| Relative evaporation rate (butylacetate=1) | : No data available   |
| Melting point                              | : No data available   |
| Freezing point                             | : No data available   |
| Boiling point                              | : No data available   |
| Flash point                                | : No data available   |
| Auto-ignition temperature                  | : No data available   |
| Decomposition temperature                  | : No data available   |
| Flammability (solid, gas)                  | : No data available   |
| Vapour pressure                            | : No data available   |
| Relative vapour density at 20 °C           | : No data available   |
| Relative density                           | : No data available   |
| Solubility                                 | : No data available   |
| Log Pow                                    | : No data available   |
| Log Kow                                    | : No data available   |
| Viscosity, kinematic                       | : No data available   |
| Viscosity, dynamic                         | : No data available   |
|  |                       |

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| Explosive properties                                   | : No data available   |
|--|---|
| Oxidising properties                                   | : No data available   |
| Explosive limits                                       | : No data available   |
| 9.2. Other information                                 |   |
| No additional information available                    |   |
| SECTION 10: Stability and reactivity                   |   |
| 10.1. Reactivity                                       |   |
| No additional information available                    |   |
| 10.2. Chemical stability                               |   |
| Stable if stored under recommended conditions.         |   |
| 10.3. Possibility of hazardous reactions               |   |
| No additional information available                    |   |
| 10.4. Conditions to avoid                              |   |
| No additional information available                    |   |
| 10.5. Incompatible materials                           |   |
| Strong oxidizing agents.                               |   |
| 10.6. Hazardous decomposition products                 |   |
| Carbon oxides (CO, CO2).                               |   |
| SECTION 11: Toxicological information                  | ion   |
| 11.1. Information on toxicological effects             |   |
| Acute toxicity   | : Not classified  |
| Skin corrosion/irritation                              | : Not classified  |
| Serious eye damage/irritation                          | : Not classified  |
| Respiratory or skin sensitisation                      | : Not classified  |
| Germ cell mutagenicity                                 | : Not classified  |
| Carcinogenicity  | : Not classified  |
| Reproductive toxicity                                  | : Not classified  |
| STOT-single exposure                                   | : Not classified  |
| STOT-repeated exposure                                 | : Not classified  |
| Aspiration hazard                                      | : Not classified  |
| Potential adverse human health effects and<br>symptoms | : This information is based on our current knowledge and is intended to describe the product for<br>the purposes of health, safety and environmental requirements only. It should not therefore be<br>construed as guaranteeing any specific property of the product. |
| Symptoms/injuries after inhalation                     | : May be harmful if inhaled. May cause respiratory irritation.  |
| Symptoms/injuries after skin contact                   | : May be harmful in contact with skin. May cause moderate irritation.   |
| Symptoms/injuries after eye contact                    | : May cause eye irritation.   |
| Symptoms/injuries after ingestion                      | : May be harmful if swallowed.  |

|           | en le zoelegiea internation        |   |
|-----------|------------------------------------|---|
| 12.1.     | Toxicity                           |   |
| Ecology · | - general :                        | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| 12.2.     | Persistence and degradability      |   |
| No additi | onal information available         |   |
| 12.3.     | Bioaccumulative potential          |   |
| No additi | onal information available         |   |
| 12.4.     | Mobility in soil                   |   |
| No additi | onal information available         |   |
| 12.5.     | Results of PBT and vPvB assessment |   |
| No additi | onal information available         |   |

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| , /   |  |
|---|--|
| 12.6. Other adverse effects   |  |
| No additional information available                                 |  |
| SECTION 13: Disposal considerations                                 |  |
| 13.1. Waste treatment methods                                       |  |
|   | <ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and Local<br/>environmental control regulations.</li> </ul> |
| Product/Packaging disposal recommendations:                         | Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed  |
| Ecology - waste materials   | professional waste disposal service to dispose of this material.<br>Dispose of as unused product.  |
| SECTION 14: Transport information                                   |  |
| In accordance with ADR / RID / IMDG / IATA / ADN                    | N  |
| 14.1. UN number   |  |
| Not applicable  |  |
| 14.2. UN proper shipping name                                       |  |
| Not applicable  |  |
| 14.3. Additional information  |  |
| Other information :   | No supplementary information available.  |
| Special transport precautions                                       | Not classified as dangerous in the meaning of transport regulations.   |
| Overland transport  |  |
| No additional information available                                 |  |
| Transport by sea  |  |
| No additional information available                                 |  |
|   |  |
| Air transport   |  |
| No additional information available                                 |  |
|   | No supplementary information available.  |
|   |  |
| 14.5. Special precautions for user                                  | Not closelfied as depression in the meaning of transport regulations   |
|   | Not classified as dangerous in the meaning of transport regulations.<br>II of MARPOL 73/78 and the IBC Code  |
| Not applicable  |  |
|   |  |
| SECTION 15: Regulatory information                                  |  |
| 15.1. US Federal regulations  |  |
| BOVINE SERUM ALBUMIN  |  |
| SARA Section 302 Threshold Planning<br>Quantity (TPQ)               | Not subject to reporting requirements of the United States SARA Section 302.   |
| SARA Section 313 - Emission Reporting                               | Not subject to reporting requirements of the United States SARA Section 313.   |
| 15.2. International regulations                                     |  |
| CANADA  |  |
| BOVINE SERUM ALBUMIN  |  |
| Listed on the Canadian DSL (Domestic Substance                      | es List)   |
| 15.2.1. National regulations  |  |
| No additional information available                                 |  |
| 15.3. US State regulations  |  |
| BOVINE SERUM ALBUMIN()  |  |
| U.S California - Proposition 65 - Carcinogens Lis                   |  |
| U.S California - Proposition 65 - Developmental<br>Toxicity         | No   |
| U.S California - Proposition 65 - Reproductive<br>Toxicity - Female | No   |
| U.S California - Proposition 65 - Reproductive<br>Toxicity - Male   | No   |
| I OXICITY - Male  | U.S. Doppovikania BTK (Pickt to Know) List   |

State or local regulations

U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List

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| <b>SECTION 16: Other informa</b> | tion   |
|----------------------------------|--|
| Other information                | : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound. |
| NFPA health hazard               | : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.   |
| NFPA fire hazard                 | : 0 - Materials that will not burn under typical dire conditions,<br>including intrinsically noncombustible materials such as<br>concrete, stone, and sand.  |
| NFPA reactivity                  | : 0 - Material that in themselves are normally stable, even under fire conditions.   |
| HMIS III Rating                  |  |
| Health                           | : 0 Minimal Hazard - No significant risk to health   |
| Flammability                     | : 0 Minimal Hazard   |
| Physical                         | : 0 Minimal Hazard   |
|                                  |  |

CIL Multi-Solvent Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product