



# Mouse Express UNLABELED IRRADIATED MOUSE FEED

## 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: 14/03/2012

Revision date: 18/08/2016

Supersedes: 06/02/2013

Version: 4.0

MF-UNLABELED-IR

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixtures  
Product name : Mouse Express UNLABELED IRRADIATED MOUSE FEED  
Product code : MF-UNLABELED-IR

#### 1.2. Relevant identified uses of the 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 safety data sheet

Cambridge Isotope Laboratories, Inc.  
50 Frontage Road  
Andover, MA 01810  
USA

USA: 1-800-322-1174 Int: 1-978-749-8000  
[cilsales@isotope.com](mailto:cilsales@isotope.com) [www.isotope.com](http://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 identification

#### 2.1. Classification of the substance 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

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labeling according to Regulation (EC) No. 1272/2008 [CLP]

No labeling applicable

##### GHS-US labeling

No labeling applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name  | Product identifier   | %     | Classification according to Directive 67/548/EEC                |
|---|--|-------|---|
| SUCROSE UNLABELED                                 | (CAS-No.) 57-50-1<br>(EC-No.) 200-334-9  | 35.29 | Not classified  |
| CORN STARCH UNLABELED                             | (CAS-No.) 9005-25-8<br>(EC-No.) 232-679-6<br>(EC Index-No.)                              | 15    | Not classified  |
| MALTODEXTRIN UNLABELED                            | (CAS-No.) 9050-36-6<br>(EC-No.)<br>(EC Index-No.)  | 15    | Not classified  |
| SOYBEAN OIL UNLABELED                             | (CAS-No.) 8001-22-7<br>(EC-No.) 232-274-4  | 8     | Not classified  |
| MINERAL MIX, AIN-93M-MX (94049) UNLABELED         | (CAS-No.)<br>(EC-No.)<br>(EC Index-No.)  | 3.5   | Not classified  |
| CELLULOSE UNLABELED                               | (CAS-No.) 9004-34-6<br>(EC-No.) 232-674-9  | 3     | Not classified  |
| GLYCINE UNLABELED                                 | (CAS-No.) 56-40-6<br>(EC-No.) 200-272-2  | 2.33  | Not classified  |
| VITAMIN MIX, AIN-93-VX (94047) UNLABELED          | (CAS-No.)<br>(EC-No.)<br>(EC Index-No.)  | 1.95  | Not classified  |
| L-ARGININE:HCL UNLABELED                          | (CAS-No.) 1119-34-2<br>(EC-No.) 214-275-1  | 1.21  | Xi; R36/38  |
| L-LEUCINE UNLABELED                               | (CAS-No.) 61-90-5<br>(EC-No.) 200-522-0  | 1.11  | Not classified  |
| L-LYSINE:HCL UNLABELED                            | (CAS-No.) 657-26-1<br>(EC-No.) 211-518-3   | 1     | Not classified  |
| L-THREONINE UNLABELED                             | (CAS-No.) 72-19-5<br>(EC-No.) 200-774-1  | 0.82  | Not classified  |
| L-VALINE UNLABELED                                | (CAS-No.) 72-18-4<br>(EC-No.) 200-773-6  | 0.82  | Not classified  |
| L-ISOLEUCINE UNLABELED                            | (CAS-No.) 73-32-5<br>(EC-No.) 200-798-2  | 0.82  | Not classified  |
| L-METHIONINE UNLABELED                            | (CAS-No.) 63-68-3<br>(EC-No.) 200-562-9  | 0.82  | Not classified  |
| CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED | (CAS-No.) 10031-30-8<br>(EC-No.) 231-837-1<br>(EC Index-No.)                             | 0.82  | Xi; R36/37/38   |
| L-PHENYLALANINE UNLABELED                         | (CAS-No.) 63-91-2<br>(EC-No.) 200-568-1  | 0.75  | Not classified  |
| L-ASPARAGINE UNLABELED                            | (CAS-No.) 70-47-3<br>(EC-No.) 200-735-9<br>(EC Index-No.)                                | 0.6   | Not classified  |
| L-TYROSINE UNLABELED                              | (CAS-No.) 60-18-4<br>(EC-No.) 200-460-4  | 0.5   | Xi; R36/37/38   |
| L-HISTIDINE:HCL:H2O UNLABELED                     | (CAS-No.) 71-00-1<br>(EC-No.) 200-745-3  | 0.45  | Not classified  |
| L-ALANINE UNLABELED                               | (CAS-No.) 56-41-7<br>(EC-No.) 200-273-8  | 0.35  | Not classified  |
| L-ASPARTIC ACID UNLABELED                         | (CAS-No.) 56-84-8<br>(EC-No.) 200-291-6<br>(EC Index-No.)<br>(REACH-no) 01-2119966139-27 | 0.35  | Not classified  |
| L-PROLINE UNLABELED                               | (CAS-No.) 147-85-3<br>(EC-No.) 205-702-2   | 0.35  | Not classified  |
| L-CYSTINE UNLABELED                               | (CAS-No.) 56-89-3<br>(EC-No.) 200-296-3  | 0.35  | Not classified  |
| L-SERINE UNLABELED                                | (CAS-No.) 302-84-1<br>(EC-No.) 206-130-6   | 0.35  | Not classified  |
| CHOLINE BITARTRATE UNLABELED                      | (CAS-No.) 87-67-2<br>(EC-No.) 201-763-4<br>(EC Index-No.)                                | 0.28  | Not classified  |
| L-TRYPTOPHAN UNLABELED                            | (CAS-No.) 73-22-3<br>(EC-No.) 200-795-6  | 0.18  | Not classified  |
| TBHQ UNLABELED                                    | (CAS-No.) 1948-33-0<br>(EC-No.) 217-752-2  | 0.002 | Not classified  |
| Name  | Product identifier   | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
| SUCROSE UNLABELED                                 | (CAS-No.) 57-50-1<br>(EC-No.) 200-334-9  | 35.29 | Not classified  |
| CORN STARCH UNLABELED                             | (CAS-No.) 9005-25-8<br>(EC-No.) 232-679-6<br>(EC Index-No.)                              | 15    | Not classified  |

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| Name  | Product identifier   | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|-------|---|
| MALTODEXTRIN UNLABELED                            | (CAS-No.) 9050-36-6<br>(EC-No.)<br>(EC Index-No.)  | 15    | Not classified  |
| SOYBEAN OIL UNLABELED                             | (CAS-No.) 8001-22-7<br>(EC-No.) 232-274-4  | 8     | Not classified  |
| MINERAL MIX, AIN-93M-MX (94049) UNLABELED         | (CAS-No.)<br>(EC-No.)<br>(EC Index-No.)  | 3.5   | Not classified  |
| CELLULOSE UNLABELED                               | (CAS-No.) 9004-34-6<br>(EC-No.) 232-674-9  | 3     | Not classified  |
| GLYCINE UNLABELED                                 | (CAS-No.) 56-40-6<br>(EC-No.) 200-272-2  | 2.33  | Not classified  |
| VITAMIN MIX, AIN-93-VX (94047) UNLABELED          | (CAS-No.)<br>(EC-No.)<br>(EC Index-No.)  | 1.95  | Not classified  |
| L-ARGININE:HCL UNLABELED                          | (CAS-No.) 1119-34-2<br>(EC-No.) 214-275-1  | 1.21  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                       |
| L-LEUCINE UNLABELED                               | (CAS-No.) 61-90-5<br>(EC-No.) 200-522-0  | 1.11  | Not classified  |
| L-LYSINE:HCL UNLABELED                            | (CAS-No.) 657-26-1<br>(EC-No.) 211-518-3   | 1     | Skin Sens. 1, H317  |
| L-THREONINE UNLABELED                             | (CAS-No.) 72-19-5<br>(EC-No.) 200-774-1  | 0.82  | Not classified  |
| L-VALINE UNLABELED                                | (CAS-No.) 72-18-4<br>(EC-No.) 200-773-6  | 0.82  | Not classified  |
| L-ISOLEUCINE UNLABELED                            | (CAS-No.) 73-32-5<br>(EC-No.) 200-798-2  | 0.82  | Not classified  |
| L-METHIONINE UNLABELED                            | (CAS-No.) 63-68-3<br>(EC-No.) 200-562-9  | 0.82  | Not classified  |
| CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED | (CAS-No.) 10031-30-8<br>(EC-No.) 231-837-1<br>(EC Index-No.)                             | 0.82  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335    |
| L-PHENYLALANINE UNLABELED                         | (CAS-No.) 63-91-2<br>(EC-No.) 200-568-1  | 0.75  | Not classified  |
| L-ASPARAGINE UNLABELED                            | (CAS-No.) 70-47-3<br>(EC-No.) 200-735-9<br>(EC Index-No.)                                | 0.6   | Not classified  |
| L-TYROSINE UNLABELED                              | (CAS-No.) 60-18-4<br>(EC-No.) 200-460-4  | 0.5   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335    |
| L-HISTIDINE:HCL:H2O UNLABELED                     | (CAS-No.) 71-00-1<br>(EC-No.) 200-745-3  | 0.45  | Not classified  |
| L-ALANINE UNLABELED                               | (CAS-No.) 56-41-7<br>(EC-No.) 200-273-8  | 0.35  | Not classified  |
| L-ASPARTIC ACID UNLABELED                         | (CAS-No.) 56-84-8<br>(EC-No.) 200-291-6<br>(EC Index-No.)<br>(REACH-no) 01-2119966139-27 | 0.35  | Not classified  |
| L-PROLINE UNLABELED                               | (CAS-No.) 147-85-3<br>(EC-No.) 205-702-2   | 0.35  | Not classified  |
| L-CYSTINE UNLABELED                               | (CAS-No.) 56-89-3<br>(EC-No.) 200-296-3  | 0.35  | Not classified  |
| L-SERINE UNLABELED                                | (CAS-No.) 302-84-1<br>(EC-No.) 206-130-6   | 0.35  | Not classified  |
| CHOLINE BITARTRATE UNLABELED                      | (CAS-No.) 87-67-2<br>(EC-No.) 201-763-4<br>(EC Index-No.)                                | 0.28  | Not classified  |
| L-TRYPTOPHAN UNLABELED                            | (CAS-No.) 73-22-3<br>(EC-No.) 200-795-6  | 0.18  | Not classified  |
| TBHQ UNLABELED                                    | (CAS-No.) 1948-33-0<br>(EC-No.) 217-752-2  | 0.002 | Not classified  |

| Name                     | Product identifier  | %    | GHS-US classification                      |
|--------------------------|---------------------|------|--|
| L-ARGININE:HCL UNLABELED | (CAS-No.) 1119-34-2 | 1.21 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319 |
| L-LYSINE:HCL UNLABELED   | (CAS-No.) 657-26-1  | 1    | Skin Sens. 1, H317                         |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Move out of dangerous area. Consult a physician and show this safety data sheet.

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|                                       |   |
|---------------------------------------|---|
| First-aid measures after inhalation   | : If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician. |
| First-aid measures after skin contact | : Wash with soap and plenty of water. Consult a physician.  |
| First-aid measures after eye contact  | : Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.                   |
| First-aid measures after ingestion    | : Give victim large quantities of liquid.   |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : May be harmful if inhaled. May cause respiratory tract irritation.  |
| Symptoms/effects after skin contact | : May be harmful if absorbed through skin. May cause skin irritation. |
| Symptoms/effects after eye contact  | : Contact may cause eye irritation.                                   |
| Symptoms/effects 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: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Reactivity : Not available.

### 5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

#### 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 containment and cleaning up

For containment : Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

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, including any incompatibilities

Technical measures : Keep container tightly closed in a cool, dry and well-ventilated place.

Storage conditions : Store product at 4°C or lower.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### SUCROSE UNLABELED (57-50-1)

|          |                                     |                     |
|----------|-------------------------------------|---------------------|
| USA OSHA | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> |
|----------|-------------------------------------|---------------------|

#### SOYBEAN OIL UNLABELED (8001-22-7)

|         |                                  |  |
|---------|----------------------------------|--|
| Belgium | Limit value (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> (Huiles végétales (brouillards); Belgium; Time-weighted average exposure limit 8 h) |
|---------|----------------------------------|--|

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| CELLULOSE UNLABELED (9004-34-6) |                                  |  |
|---------------------------------|----------------------------------|--|
| Belgium                         | Limit value (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> (Cellulose; Belgium; Time-weighted average exposure limit 8 h)  |
| France                          | VME (mg/m <sup>3</sup> )         | 10 mg/m <sup>3</sup> (Cellulose (fibre de papier); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)  |
| Italy - Portugal - USA ACGIH    | ACGIH TWA (mg/m <sup>3</sup> )   | 10 mg/m <sup>3</sup> (Cellulose; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Cotton dust, raw, untreated; 0.1 mg/m <sup>3</sup> ; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Thoracic fraction)   |
| United Kingdom                  | WEL TWA (mg/m <sup>3</sup> )     | 10 mg/m <sup>3</sup> Cellulose inhalable dust; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005); Cellulose respirable dust; 4 mg/m <sup>3</sup> ; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005) |
| United Kingdom                  | WEL STEL (mg/m <sup>3</sup> )    | 20 mg/m <sup>3</sup> Cellulose inhalable dust; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)  |

| CORN STARCH UNLABELED (9005-25-8) |                                      |   |
|-----------------------------------|--------------------------------------|---|
| Italy - Portugal - USA ACGIH      | ACGIH TWA (mg/m <sup>3</sup> )       | 10 mg/m <sup>3</sup> Dermatitis. Not classifiable as a human carcinogen |
| USA NIOSH                         | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup>  |
| USA OSHA                          | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 15 mg/m <sup>3</sup>  |

### 8.2. Exposure controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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 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 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 chemical properties

|   |                     |
|---|---------------------|
| Physical state                              | : Solid             |
| Appearance                                  | : Pellets.          |
| Color                                       | : Off White.        |
| 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 |
| Auto-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 |

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|                      |                     |
|----------------------|---------------------|
| 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 |
| Explosion limits     | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not available.

### 10.2. Chemical stability

Six months unopened when stored under recommended conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Not available.

### 10.5. Incompatible materials

Not available.

### 10.6. Hazardous decomposition products

Not available.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

|  |   |
|--|---|
| <b>L-ALANINE UNLABELED (56-41-7)</b>           |   |
| LD50 oral rat                                  | > 5110 mg/kg male and female                        |
| <b>L-ASPARTIC ACID UNLABELED (56-84-8)</b>     |   |
| LD50 oral rat                                  | 5000 mg/kg  |
| LD50 dermal rabbit                             | 5000 mg/kg  |
| <b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>    |   |
| LD50 oral rat                                  | 12400 mg/kg   |
| ATE CLP (oral)                                 | 12000.000 mg/kg body weight                         |
| <b>L-PROLINE UNLABELED (147-85-3)</b>          |   |
| LD50 oral rat                                  | > 5110 mg/kg  |
| <b>L-HISTIDINE:HCL:H2O UNLABELED (71-00-1)</b> |   |
| LD50 oral rat                                  | 15000 mg/kg   |
| ATE CLP (oral)                                 | 15000.000 mg/kg body weight                         |
| <b>GLYCINE UNLABELED (56-40-6)</b>             |   |
| LD50 oral rat                                  | 7930 mg/kg  |
| ATE CLP (oral)                                 | 7930.000 mg/kg body weight                          |
| <b>SUCROSE UNLABELED (57-50-1)</b>             |   |
| LD50 oral rat                                  | 29700 mg/kg Somnolence, Cyanosis, Diarrhea          |
| ATE CLP (oral)                                 | 29700.000 mg/kg body weight                         |
| <b>L-VALINE UNLABELED (72-18-4)</b>            |   |
| LD50 oral rat                                  | > 2000 mg/kg Rat female - (OECD Test Guideline 423) |
| LD50 dermal rat                                | 5390 mg/kg  |
| LC50 inhalation rat (mg/l)                     | > 5260 mg/m <sup>3</sup> (OECD Test Guideline 403)  |
| <b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>        |   |
| LD50 oral rat                                  | > 16000 mg/kg                                       |
| <b>L-LEUCINE UNLABELED (61-90-5)</b>           |   |
| LD50 oral rat                                  | > 16000 mg/kg male and female                       |

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|   |  |
|---|--|
| <b>L-LEUCINE UNLABELED (61-90-5)</b>                                  |  |
| LD50 Intraperitoneal - Rat - 5,379 mg/kg<br>Remarks                   | Lungs, Thorax, or Respiration: Dyspnea. Nutritional and Gross Metabolic: Changes in: Body temperature decrease.  |
| <b>L-TYROSINE UNLABELED (60-18-4)</b>                                 |  |
| Additional information  | LD50 Intraperitoneal - mouse - > 1,450 mg/kg   |
| <b>L-METHIONINE UNLABELED (63-68-3)</b>                               |  |
| LD50 oral rat   | 36000 mg/kg Remarks: Behavioral: Change in motor activity (specific assay). Skin and Appendages: Allergic (Multiple organ involvement) Anaphylaxis.  |
| <b>CELLULOSE UNLABELED (9004-34-6)</b>                                |  |
| LD50 oral rat   | > 5000 mg/kg (Rat)   |
| LD50 dermal rabbit  | > 2000 mg/kg (Rabbit)  |
| LC50 inhalation rat (mg/l)  | > 6 mg/l/4h (Rat)  |
| <b>CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED (10031-30-8)</b> |  |
| LD50 oral rat   | 17500 mg/kg Remarks: Peripheral Nerve and Sensation: Flaccid paralysis without anesthesia (usually neuromuscular blockage). Behavioral: Somnolence (general depressed activity). Lungs, Thorax, or Respiration: Respiratory stimulation. |

|  |                                       |
|--|---------------------------------------|
| Skin corrosion/irritation                          | : Not classified<br>No data available |
| Serious eye damage/irritation                      | : Not classified<br>No data available |
| Respiratory or skin sensitization                  | : Not available<br>No data available  |
| Germ cell mutagenicity                             | : Not available                       |
| Carcinogenicity                                    | : Not classified                      |
| Reproductive toxicity                              | : Not available                       |
| Specific target organ toxicity – single exposure   | : Not classified<br>No data available |
| Specific target organ toxicity – repeated exposure | : Not classified<br>No data available |

|   |   |
|---|---|
| <b>L-LEUCINE UNLABELED (61-90-5)</b>                |   |
| NOAEL (oral,rat,90 days)                            | 3840 mg/kg bodyweight/day female  |
| Aspiration hazard                                   | : Not classified  |
| Potential Adverse human health effects and symptoms | : The chemical, physical, and toxicological properties have not been thoroughly investigated. |
| Symptoms/effects after inhalation                   | : May be harmful if inhaled. May cause respiratory tract irritation.                          |
| Symptoms/effects after skin contact                 | : May be harmful if absorbed through skin. May cause skin irritation.                         |
| Symptoms/effects after eye contact                  | : Contact may cause eye irritation.   |
| Symptoms/effects after ingestion                    | : May be harmful if swallowed.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

|  |   |
|--|---|
| <b>L-ALANINE UNLABELED (56-41-7)</b>   |   |
| EC50 Daphnia 1                         | > 100 mg/l static test EC50 - Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202) |
| <b>L-PROLINE UNLABELED (147-85-3)</b>  |   |
| EC50 Daphnia 1                         | > 100 mg/l - Daphnia magna (Water flea) - 48 h  |
| <b>L-VALINE UNLABELED (72-18-4)</b>    |   |
| LC50 fish 1                            | > 10 g/l Danio rerio (zebra fish) - (OECD Test Guideline 203) - 96 h                      |
| EC50 Daphnia 1                         | > 10 g/l Daphnia magna (Water flea) - (OECD Test Guideline 202) - 24 h                    |
| <b>CELLULOSE UNLABELED (9004-34-6)</b> |   |
| LC50 fish 1                            | > 100 mg/l (LC50)   |
| EC50 Daphnia 1                         | > 100 mg/l (EC50)   |
| Threshold limit algae 1                | > 100 mg/l (EC50)   |

# Mouse Express UNLABELED IRRADIATED MOUSE FEED

MF-UNLABELED-IR

## 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

### 12.2. Persistence and degradability

#### Mouse Express UNLABELED IRRADIATED MOUSE FEED

Persistence and degradability Not available.

#### L-VALINE UNLABELED (72-18-4)

Persistence and degradability Aerobic - exposure time: 28 d.

#### SOYBEAN OIL UNLABELED (8001-22-7)

Persistence and degradability Not readily biodegradable in water. No (test)data on mobility of the substance available.

BOD (% of ThOD) 0.39

#### CELLULOSE UNLABELED (9004-34-6)

Persistence and degradability Biodegradable in water.

### 12.3. Bioaccumulative potential

#### Mouse Express UNLABELED IRRADIATED MOUSE FEED

Bioaccumulative potential Not available.

#### L-ALANINE UNLABELED (56-41-7)

Log Pow -2.74 at 20 °C (68 °F)

#### L-THREONINE UNLABELED (72-19-5)

Log Pow -1.43

#### L-VALINE UNLABELED (72-18-4)

Log Pow -2.259 at 20 °C (68 °F)

#### L-ISOLEUCINE UNLABELED (73-32-5)

Log Pow -1.58

#### L-TYROSINE UNLABELED (60-18-4)

Log Pow -2.26 at 25 °C (77 °F)

#### SOYBEAN OIL UNLABELED (8001-22-7)

Bioaccumulative potential Not bioaccumulative.

#### CELLULOSE UNLABELED (9004-34-6)

Bioaccumulative potential Bioaccumulation: not applicable.

### 12.4. Mobility in soil

#### Mouse Express UNLABELED IRRADIATED MOUSE FEED

Ecology - soil Not available.

#### SOYBEAN OIL UNLABELED (8001-22-7)

Surface tension 0.025 N/m (20 °C)

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other adverse effects : Not 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.
- 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 / ADN

### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

Not applicable

### 14.3. Additional information

Other information : No supplementary information available.



# Mouse Express UNLABELED IRRADIATED MOUSE FEED

MF-UNLABELED-IR

## 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

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

#### L-ARGININE:HCL UNLABELED (1119-34-2)

|  |  |
|--|--|
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of the United States SARA Section 302. |
| SARA Section 311/312 Hazard Classes                | Immediate (acute) health hazard  |
| SARA Section 313 - Emission Reporting              | Not subject to reporting requirements of the United States SARA Section 313. |

#### L-LYSINE:HCL UNLABELED (657-26-1)

|  |  |
|--|--|
| SARA Section 302 Threshold Planning 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

##### Mouse Express UNLABELED IRRADIATED MOUSE FEED

Not listed on the Canadian DSL (Domestic Substances List)

### 15.2.1. National regulations

No additional information available

### 15.3. US State regulations

#### Mouse Express UNLABELED IRRADIATED MOUSE FEED()

|   |  |
|---|--|
| U.S. - California - Proposition 65 - Carcinogens List               | No   |
| U.S. - California - Proposition 65 - Developmental Toxicity         | No   |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No   |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male   | No   |
| State or local regulations  | This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. |

#### L-ARGININE:HCL UNLABELED (1119-34-2)

|   |   |   |   |                                  |
|---|---|---|---|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No  | No  | No  | No  |                                  |

# Mouse Express UNLABELED IRRADIATED MOUSE FEED

MF-UNLABELED-IR

## 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

| L-LYSINE:HCL UNLABELED (657-26-1)  |   |   |   |                                  |
|--|---|---|---|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List  | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No   | No  | No  | No  |                                  |
| L-ARGININE:HCL UNLABELED (1119-34-2)   |   |   |   |                                  |
| State or local regulations   |   |   |   |                                  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |   |   |   |                                  |
| L-LYSINE:HCL UNLABELED (657-26-1)  |   |   |   |                                  |
| State or local regulations   |   |   |   |                                  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List<br>RTK - U.S. - New Jersey - Right to 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.

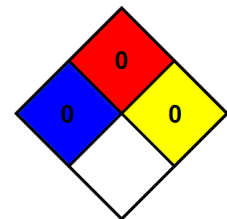
Full text of R-, H- and EUH-phrases:

|               |   |
|---------------|---|
| Eye Irrit. 2  | Serious eye damage/eye irritation Category 2                |
| 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                               |
| H335          | May cause respiratory irritation                            |
| R36/37/38     | Irritating to eyes, respiratory system and skin             |
| R36/38        | Irritating to eyes and skin                                 |
| Xi            | Irritant  |

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 fire 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.



### Hazard Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

CIL Substance 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*