



# CAMBRIDGE ISOTOPE LABORATORIES

## PRODUCT AND COMPANY IDENTIFICATION

Product Name: Mouse Express L-LEUCINE (5,5,5-D3, 99%)  
MOUSE FEED KIT

-and-

Mouse Express L-LEUCINE (5,5,5-D3, 99%)  
MOUSE FEED KIT IRRADIATED

Catalog No: MLK-LEU-D3 & MLK-LEU-D3-IR

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

Telephone: 1-800-322-1174 International information 1-978-749-8000  
Emergency: 1-800-424-9300 International Emergency 1-202-483-7616

## HAZARDS IDENTIFICATION

### Emergency Overview

### OSHA Hazards

Not a hazardous substance or mixture

### GHS Classification(s)

Not a hazardous substance or mixture

### GHS Label elements, including precautionary statements

Hazard statement(s)

See individual Safety Data Sheets

## COMPOSITION

Each kit contains two items:

MF-LEU-D3	Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED
MF-UNLABELED	Mouse Express UNLABELED MOUSE FEED
-or-	
MF-LEU-D3-IR	Mouse Express L-LEUCINE (5,5,5-D3, 99%) IRRADIATED MOUSE FEED
MF-UNLABELED-IR	Mouse Express UNLABELED IRRADIATED MOUSE FEED



# Mouse Express L-LEUCINE (5,5,5-D3, 99%) 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: 27/02/2013

Revision date: 17/05/2017

Supersedes: 27/02/2013

Version: 2.0

MF-LEU-D3

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

#### 1.1. Product identifier

Product form : Mixtures  
Product name : Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED  
Product code : MF-LEU-D3  
Other means of identification : Also applicable to:  
MF-LEU-D3-IR (5,5,5-D3, 99%) IRRADIATED

#### 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

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

Hazardous ingredients : L-LYSINE:HCL UNLABELED

##### GHS-US labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
SUCROSE UNLABELED	(CAS No) 57-50-1 (EC No) 200-334-9	35.273	Not classified
CORN STARCH UNLABELED	(CAS No) 9005-25-8 (EC No) 232-679-6 (EC Index No)	15	Not classified
MALTODEXTRIN UNLABELED	(CAS No) 9050-36-6 (EC No) (EC Index No)	15	Not classified
SOYBEAN OIL UNLABELED	(CAS No) 8001-22-7 (EC No) 232-274-4	8	Not classified
L-GLUTAMIC ACID UNLABELED	(CAS No) 56-86-0 (EC No) 200-293-7	4	Not classified
MINERAL MIX, AIN-93M-MX (94049) UNLABELED	(CAS No) (EC No) (EC Index No)	3.5	Not classified
CELLULOSE UNLABELED	(CAS No) 9004-34-6 (EC No) 232-674-9	3	Not classified
GLYCINE UNLABELED	(CAS No) 56-40-6 (EC No) 200-272-2	2.33	Not classified
VITAMIN MIX, AIN-93-VX (94047) UNLABELED	(CAS No) (EC No) (EC Index No)	1.95	Not classified
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2 (EC No) 214-275-1	1.21	Xi; R36/38
L-LEUCINE (5,5,5-D3, 99%)	(CAS No) 87828-86-2 (EC No) 200-522-0 (Unlabeled)	1.11	Not classified
L-LYSINE:HCL UNLABELED	(CAS No) 657-26-1 (EC No) 211-518-3	1	Not classified
L-ISOLEUCINE UNLABELED	(CAS No) 73-32-5 (EC No) 200-798-2	0.82	Not classified
L-METHIONINE UNLABELED	(CAS No) 63-68-3 (EC No) 200-562-9	0.82	Not classified
L-VALINE UNLABELED	(CAS No) 72-18-4 (EC No) 200-773-6	0.82	Not classified
L-THREONINE UNLABELED	(CAS No) 72-19-5 (EC No) 200-774-1	0.82	Not classified
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED	(CAS No) 10031-30-8 (EC No) 231-837-1 (EC Index No)	0.82	Xi; R36/37/38
L-PHENYLALANINE UNLABELED	(CAS No) 63-91-2 (EC No) 200-568-1	0.75	Not classified
L-ASPARAGINE UNLABELED	(CAS No) 70-47-3 (EC No) 200-735-9 (EC Index No)	0.6	Not classified
L-TYROSINE UNLABELED	(CAS No) 60-18-4 (EC No) 200-460-4	0.5	Xi; R36/37/38
L-HISTIDINE:HCL:H2O UNLABELED	(CAS No) 71-00-1 (EC No) 200-745-3	0.45	Not classified
L-ALANINE UNLABELED	(CAS No) 56-41-7 (EC No) 200-273-8	0.35	Not classified
L-ASPARTIC ACID UNLABELED	(CAS No) 56-84-8 (EC No) 200-291-6	0.35	Not classified
L-CYSTINE UNLABELED	(CAS No) 56-89-3 (EC No) 200-296-3	0.35	Not classified
L-PROLINE UNLABELED	(CAS No) 147-85-3 (EC No) 205-702-2	0.35	Not classified
L-SERINE UNLABELED	(CAS No) 302-84-1 (EC No) 206-130-6	0.35	Not classified
CHOLINE BITARTRATE UNLABELED	(CAS No) 87-67-2 (EC No) 201-763-4 (EC Index No)	0.275	Not classified
L-TRYPTOPHAN UNLABELED	(CAS No) 73-22-3 (EC No) 200-795-6	0.18	Not classified
BLUE FOOD COLOR UNLABELED	(CAS No) 3844-45-9 (EC No) (EC Index No)	0.01	Not classified
RED FOOD COLOR UNLABELED	(EC No) (EC Index No)	0.01	Not classified
TBHQ UNLABELED	(CAS No) 1948-33-0 (EC No) 217-752-2	0.002	Not classified

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SUCROSE UNLABELED	(CAS No) 57-50-1 (EC No) 200-334-9	35.273	Not classified
CORN STARCH UNLABELED	(CAS No) 9005-25-8 (EC No) 232-679-6 (EC Index No)	15	Not classified
MALTODEXTRIN UNLABELED	(CAS No) 9050-36-6 (EC No) (EC Index No)	15	Not classified
SOYBEAN OIL UNLABELED	(CAS No) 8001-22-7 (EC No) 232-274-4	8	Not classified
L-GLUTAMIC ACID UNLABELED	(CAS No) 56-86-0 (EC No) 200-293-7	4	Not classified
MINERAL MIX, AIN-93M-MX (94049) UNLABELED	(CAS No) (EC No) (EC Index No)	3.5	Not classified
CELLULOSE UNLABELED	(CAS No) 9004-34-6 (EC No) 232-674-9	3	Not classified
GLYCINE UNLABELED	(CAS No) 56-40-6 (EC No) 200-272-2	2.33	Not classified
VITAMIN MIX, AIN-93-VX (94047) UNLABELED	(CAS No) (EC No) (EC Index No)	1.95	Not classified
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2 (EC No) 214-275-1	1.21	Skin Irrit. 2, H315 Eye Irrit. 2, H319
L-LEUCINE (5,5,5-D3, 99%)	(CAS No) 87828-86-2 (EC No) 200-522-0 (Unlabeled)	1.11	Not classified
L-LYSINE:HCL UNLABELED	(CAS No) 657-26-1 (EC No) 211-518-3	1	Skin Sens. 1, H317
L-ISOLEUCINE UNLABELED	(CAS No) 73-32-5 (EC No) 200-798-2	0.82	Not classified
L-METHIONINE UNLABELED	(CAS No) 63-68-3 (EC No) 200-562-9	0.82	Not classified
L-VALINE UNLABELED	(CAS No) 72-18-4 (EC No) 200-773-6	0.82	Not classified
L-THREONINE UNLABELED	(CAS No) 72-19-5 (EC No) 200-774-1	0.82	Not classified
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED	(CAS No) 10031-30-8 (EC No) 231-837-1 (EC Index No)	0.82	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-PHENYLALANINE UNLABELED	(CAS No) 63-91-2 (EC No) 200-568-1	0.75	Not classified
L-ASPARAGINE UNLABELED	(CAS No) 70-47-3 (EC No) 200-735-9 (EC Index No)	0.6	Not classified
L-TYROSINE UNLABELED	(CAS No) 60-18-4 (EC No) 200-460-4	0.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-HISTIDINE:HCL:H2O UNLABELED	(CAS No) 71-00-1 (EC No) 200-745-3	0.45	Not classified
L-ALANINE UNLABELED	(CAS No) 56-41-7 (EC No) 200-273-8	0.35	Not classified
L-ASPARTIC ACID UNLABELED	(CAS No) 56-84-8 (EC No) 200-291-6	0.35	Not classified
L-CYSTINE UNLABELED	(CAS No) 56-89-3 (EC No) 200-296-3	0.35	Not classified
L-PROLINE UNLABELED	(CAS No) 147-85-3 (EC No) 205-702-2	0.35	Not classified
L-SERINE UNLABELED	(CAS No) 302-84-1 (EC No) 206-130-6	0.35	Not classified
CHOLINE BITARTRATE UNLABELED	(CAS No) 87-67-2 (EC No) 201-763-4 (EC Index No)	0.275	Not classified
L-TRYPTOPHAN UNLABELED	(CAS No) 73-22-3 (EC No) 200-795-6	0.18	Not classified
BLUE FOOD COLOR UNLABELED	(CAS No) 3844-45-9 (EC No) (EC Index No)	0.01	Not classified
RED FOOD COLOR UNLABELED	(EC No) (EC Index No)	0.01	Not classified
TBHQ UNLABELED	(CAS No) 1948-33-0 (EC No) 217-752-2	0.002	Not classified

Name	Product identifier	%	GHS-US classification
SUCROSE UNLABELED	(CAS No) 57-50-1	35.273	Not classified
CORN STARCH UNLABELED	(CAS No) 9005-25-8	15	Not classified

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

Name	Product identifier	%	GHS-US classification
MALTODEXTRIN UNLABELED	(CAS No) 9050-36-6	15	Not classified
SOYBEAN OIL UNLABELED	(CAS No) 8001-22-7	8	Not classified
L-GLUTAMIC ACID UNLABELED	(CAS No) 56-86-0	4	Not classified
MINERAL MIX, AIN-93M-MX (94049) UNLABELED	(CAS No)	3.5	Not classified
CELLULOSE UNLABELED	(CAS No) 9004-34-6	3	Not classified
GLYCINE UNLABELED	(CAS No) 56-40-6	2.33	Not classified
VITAMIN MIX, AIN-93-VX (94047) UNLABELED	(CAS No)	1.95	Not classified
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2	1.21	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
L-LEUCINE (5,5,5-D3, 99%)	(CAS No) 87828-86-2	1.11	Not classified
L-LYSINE:HCL UNLABELED	(CAS No) 657-26-1	1	Skin Sens. 1, H317
L-ISOLEUCINE UNLABELED	(CAS No) 73-32-5	0.82	Not classified
L-METHIONINE UNLABELED	(CAS No) 63-68-3	0.82	Not classified
L-VALINE UNLABELED	(CAS No) 72-18-4	0.82	Not classified
L-THREONINE UNLABELED	(CAS No) 72-19-5	0.82	Not classified
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED	(CAS No) 10031-30-8	0.82	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-PHENYLALANINE UNLABELED	(CAS No) 63-91-2	0.75	Not classified
L-ASPARAGINE UNLABELED	(CAS No) 70-47-3	0.6	Not classified
L-TYROSINE UNLABELED	(CAS No) 60-18-4	0.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-HISTIDINE:HCL:H2O UNLABELED	(CAS No) 71-00-1	0.45	Not classified
L-ALANINE UNLABELED	(CAS No) 56-41-7	0.35	Not classified
L-ASPARTIC ACID UNLABELED	(CAS No) 56-84-8	0.35	Not classified
L-CYSTINE UNLABELED	(CAS No) 56-89-3	0.35	Not classified
L-PROLINE UNLABELED	(CAS No) 147-85-3	0.35	Not classified
L-SERINE UNLABELED	(CAS No) 302-84-1	0.35	Not classified
CHOLINE BITARTRATE UNLABELED	(CAS No) 87-67-2	0.275	Not classified
L-TRYPTOPHAN UNLABELED	(CAS No) 73-22-3	0.18	Not classified
BLUE FOOD COLOR UNLABELED	(CAS No) 3844-45-9	0.01	Not classified
RED FOOD COLOR UNLABELED		0.01	Not classified
TBHQ UNLABELED	(CAS No) 1948-33-0	0.002	Not classified

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

## SECTION 4: First aid measures

### 4.1. 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 ventilate suspected area. If not breathing, give 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.
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 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.

### 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

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

### 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

#### 6.1.1. 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. This material and its container must be disposed of in a safe way, and as per local legislation.
- 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

## 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, including any incompatibilities

- Technical measures : Store in a well-ventilated place. Keep container tightly closed.
- 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>
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>
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)
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)

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

CELLULOSE UNLABELED (9004-34-6)		
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)

### 8.2. Exposure controls

Appropriate engineering controls : Wash hands and other exposed areas with mild soap and water before eating, drinking or 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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Pellets.
Colour	: Grey. Violet.
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
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

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

### 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

No additional information available

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>).

## 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-ARGININE:HCL UNLABELED (1119-34-2)</b>	
LD50 oral rat	12400 mg/kg
ATE CLP (oral)	12000.000 mg/kg bodyweight
<b>L-ASPARTIC ACID UNLABELED (56-84-8)</b>	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	5000 mg/kg
ATE CLP (oral)	5000.000 mg/kg bodyweight
ATE CLP (dermal)	5000.000 mg/kg bodyweight
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
LD50 oral rat	> 5110 mg/kg male and female
LD50 dermal rat	> 2000 mg/kg male and female (OECD Test Guideline 402)
<b>GLYCINE UNLABELED (56-40-6)</b>	
LD50 oral rat	7930 mg/kg
ATE CLP (oral)	7930.000 mg/kg bodyweight
<b>L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)</b>	
LD50 oral rat	> 16000 mg/kg male and female
LD50 Intraperitoneal - Rat - 5,379 mg/kg Remarks	Lungs, Thorax, or Respiration: Dyspnea. Nutritional and Gross Metabolic: Changes in: Body temperature decrease.
<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>L-PROLINE UNLABELED (147-85-3)</b>	
LD50 oral rat	> 5110 mg/kg
<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>	
LD50 oral rat	> 16000 mg/kg
<b>L-TYROSINE UNLABELED (60-18-4)</b>	
Additional information	LD50 Intraperitoneal - mouse - > 1,450 mg/kg
<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>SUCROSE UNLABELED (57-50-1)</b>	
LD50 oral rat	29700 mg/kg Somnolence, Cyanosis, Diarrhea
ATE CLP (oral)	29700.000 mg/kg bodyweight
<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)



# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<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.

<b>L-HISTIDINE:HCL:H2O UNLABELED (71-00-1)</b>	
LD50 oral rat	15000 mg/kg
ATE CLP (oral)	15000.000 mg/kg bodyweight

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

<b>L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)</b>	
NOAEL (oral, rat, 90 days)	3840 mg/kg bodyweight/day female

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.

## 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-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
LC50 fish 1	> 100 mg/l Cyprinus carpio (Carp) - static test - 96 h
EC50 Daphnia 1	> 100 g/l Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)
EC50 other aquatic organisms 1	> 31 mg/l Pseudokirchneriella subcapitata (green algae) - static test - 72 h

<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)

### 12.2. Persistence and degradability

<b>L-ALANINE UNLABELED (56-41-7)</b>	
Persistence and degradability	Not available.

<b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>	
Persistence and degradability	Not available.

<b>L-ASPARTIC ACID UNLABELED (56-84-8)</b>	
Persistence and degradability	Not available.

<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
Persistence and degradability	Aerobic - exposure time: 28 d.
Biodegradation	97 % Readily biodegradable

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>GLYCINE UNLABELED (56-40-6)</b>	
Persistence and degradability	Not available.
<b>L-ISOLEUCINE UNLABELED (73-32-5)</b>	
Persistence and degradability	Not available.
<b>L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)</b>	
Persistence and degradability	Not available.
<b>L-LYSINE:HCL UNLABELED (657-26-1)</b>	
Persistence and degradability	Not available.
<b>L-METHIONINE UNLABELED (63-68-3)</b>	
Persistence and degradability	Not available.
<b>L-PHENYLALANINE UNLABELED (63-91-2)</b>	
Persistence and degradability	Not available.
<b>L-PROLINE UNLABELED (147-85-3)</b>	
Persistence and degradability	Not available.
<b>L-SERINE UNLABELED (302-84-1)</b>	
Persistence and degradability	Not available.
<b>L-THREONINE UNLABELED (72-19-5)</b>	
Persistence and degradability	Not available.
<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>	
Persistence and degradability	Not available.
<b>L-TYROSINE UNLABELED (60-18-4)</b>	
Persistence and degradability	Not available.
<b>L-VALINE UNLABELED (72-18-4)</b>	
Persistence and degradability	Aerobic - exposure time: 28 d.
<b>SUCROSE UNLABELED (57-50-1)</b>	
Persistence and degradability	Not available.
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available.
BOD (% of ThOD)	0.39
<b>CELLULOSE UNLABELED (9004-34-6)</b>	
Persistence and degradability	Biodegradable in water.
<b>12.3. Bioaccumulative potential</b>	
<b>L-ALANINE UNLABELED (56-41-7)</b>	
Log Pow	-2.74 at 20 °C (68 °F)
Bioaccumulative potential	Not available.
<b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>	
Bioaccumulative potential	Not available.
<b>L-ASPARTIC ACID UNLABELED (56-84-8)</b>	
Bioaccumulative potential	Not available.
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
Log Pow	< -4 at 20 °C (68 °F)
Bioaccumulative potential	Not available.
<b>GLYCINE UNLABELED (56-40-6)</b>	
Bioaccumulative potential	Not available.
<b>L-ISOLEUCINE UNLABELED (73-32-5)</b>	
Log Pow	-1.58
Bioaccumulative potential	Not available.
<b>L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)</b>	
Bioaccumulative potential	Not available.
<b>L-LYSINE:HCL UNLABELED (657-26-1)</b>	
Bioaccumulative potential	Not available.
<b>L-METHIONINE UNLABELED (63-68-3)</b>	
Bioaccumulative potential	Not available.

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>L-PHENYLALANINE UNLABELED (63-91-2)</b>	
Bioaccumulative potential	Not available.
<b>L-PROLINE UNLABELED (147-85-3)</b>	
Bioaccumulative potential	Not available.
<b>L-SERINE UNLABELED (302-84-1)</b>	
Bioaccumulative potential	Not available.
<b>L-THREONINE UNLABELED (72-19-5)</b>	
Log Pow	-1.43
Bioaccumulative potential	Not available.
<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>	
Bioaccumulative potential	Not available.
<b>L-TYROSINE UNLABELED (60-18-4)</b>	
Log Pow	-2.26 at 25 °C (77 °F)
Bioaccumulative potential	Not available.
<b>L-VALINE UNLABELED (72-18-4)</b>	
Log Pow	-2.259 at 20 °C (68 °F)
Bioaccumulative potential	Not available.
<b>SUCROSE UNLABELED (57-50-1)</b>	
Bioaccumulative potential	Not available.
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>	
Bioaccumulative potential	Not bioaccumulative.
<b>CELLULOSE UNLABELED (9004-34-6)</b>	
Bioaccumulative potential	Bioaccumulation: not applicable.
<b>12.4. Mobility in soil</b>	
<b>L-ALANINE UNLABELED (56-41-7)</b>	
Ecology - soil	Not available.
<b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>	
Ecology - soil	Not available.
<b>L-ASPARTIC ACID UNLABELED (56-84-8)</b>	
Ecology - soil	Not available.
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
Ecology - soil	Not available.
<b>GLYCINE UNLABELED (56-40-6)</b>	
Ecology - soil	Not available.
<b>L-ISOLEUCINE UNLABELED (73-32-5)</b>	
Ecology - soil	Not available.
<b>L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)</b>	
Ecology - soil	Not available.
<b>L-LYSINE:HCL UNLABELED (657-26-1)</b>	
Ecology - soil	Not available.
<b>L-METHIONINE UNLABELED (63-68-3)</b>	
Ecology - soil	Not available.
<b>L-PHENYLALANINE UNLABELED (63-91-2)</b>	
Ecology - soil	Not available.
<b>L-PROLINE UNLABELED (147-85-3)</b>	
Ecology - soil	Not available.
<b>L-SERINE UNLABELED (302-84-1)</b>	
Ecology - soil	Not available.
<b>L-THREONINE UNLABELED (72-19-5)</b>	
Ecology - soil	Not available.
<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>	
Ecology - soil	Not available.

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>L-TYROSINE UNLABELED (60-18-4)</b>	
Ecology - soil	Not available.
<b>L-VALINE UNLABELED (72-18-4)</b>	
Ecology - soil	Not available.
<b>SUCROSE UNLABELED (57-50-1)</b>	
Ecology - soil	Not available.
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>	
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

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.
- 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.
- 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

- Special transport precautions : Not classified as dangerous in the meaning of transport regulations.

### 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

<b>Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED</b>	
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.

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>L-ALANINE UNLABELED (56-41-7)</b>	
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.
<b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>	
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.
<b>L-ASPARAGINE UNLABELED (70-47-3)</b>	
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.
<b>L-ASPARTIC ACID UNLABELED (56-84-8)</b>	
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.
<b>L-CYSTINE UNLABELED (56-89-3)</b>	
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.
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
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.
<b>GLYCINE UNLABELED (56-40-6)</b>	
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.
<b>L-ISOLEUCINE UNLABELED (73-32-5)</b>	
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.
<b>L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)</b>	
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.
<b>L-LYSINE:HCL UNLABELED (657-26-1)</b>	
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.
<b>L-METHIONINE UNLABELED (63-68-3)</b>	
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.
<b>L-PHENYLALANINE UNLABELED (63-91-2)</b>	
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.
<b>L-PROLINE UNLABELED (147-85-3)</b>	
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.
<b>L-SERINE UNLABELED (302-84-1)</b>	
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.

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>L-THREONINE UNLABELED (72-19-5)</b>	
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.
<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>	
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.
<b>L-TYROSINE UNLABELED (60-18-4)</b>	
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.
<b>L-VALINE UNLABELED (72-18-4)</b>	
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.
<b>SUCROSE UNLABELED (57-50-1)</b>	
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.
<b>CORN STARCH UNLABELED (9005-25-8)</b>	
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.
<b>MALTODEXTRIN UNLABELED (9050-36-6)</b>	
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.
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>	
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.
<b>CELLULOSE UNLABELED (9004-34-6)</b>	
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.
<b>MINERAL MIX, AIN-93M-MX (94049) UNLABELED</b>	
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.
<b>CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED (10031-30-8)</b>	
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.
<b>VITAMIN MIX, AIN-93-VX (94047) UNLABELED</b>	
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.
<b>CHOLINE BITARTRATE UNLABELED (87-67-2)</b>	
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.
<b>TBHQ UNLABELED (1948-33-0)</b>	
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.

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

BLUE FOOD COLOR UNLABELED (3844-45-9)	
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.
RED FOOD COLOR UNLABELED	
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.
L-HISTIDINE:HCL:H2O UNLABELED (71-00-1)	
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 L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED
Listed on the Canadian DSL (Domestic Substances List)

### 15.2.1. National regulations

No additional information available

## 15.3. US State regulations

Mouse Express L-LEUCINE (5,5,5-D3, 99%) 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	U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List			
L-ALANINE UNLABELED (56-41-7)				
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)				
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-ASPARAGINE UNLABELED (70-47-3)				
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-ASPARTIC ACID UNLABELED (56-84-8)				
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 L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>L-CYSTINE UNLABELED (56-89-3)</b>				
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	
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>				
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	
<b>GLYCINE UNLABELED (56-40-6)</b>				
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	
<b>L-ISOLEUCINE UNLABELED (73-32-5)</b>				
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	
<b>L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)</b>				
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	
<b>L-LYSINE:HCL UNLABELED (657-26-1)</b>				
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	
<b>L-METHIONINE UNLABELED (63-68-3)</b>				
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	
<b>L-PHENYLALANINE UNLABELED (63-91-2)</b>				
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	
<b>L-PROLINE UNLABELED (147-85-3)</b>				
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	
<b>L-SERINE UNLABELED (302-84-1)</b>				
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 L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>L-SERINE UNLABELED (302-84-1)</b>				
No	No	No	No	
<b>L-THREONINE UNLABELED (72-19-5)</b>				
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	
<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>				
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	
<b>L-TYROSINE UNLABELED (60-18-4)</b>				
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	
<b>L-VALINE UNLABELED (72-18-4)</b>				
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	
<b>SUCROSE UNLABELED (57-50-1)</b>				
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	
<b>CORN STARCH UNLABELED (9005-25-8)</b>				
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	
<b>MALTODEXTRIN UNLABELED (9050-36-6)</b>				
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	
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>				
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	
<b>CELLULOSE UNLABELED (9004-34-6)</b>				
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 L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>MINERAL MIX, AIN-93M-MX (94049) UNLABELED</b>				
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	
<b>CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED (10031-30-8)</b>				
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	
<b>VITAMIN MIX, AIN-93-VX (94047) UNLABELED</b>				
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	
<b>CHOLINE BITARTRATE UNLABELED (87-67-2)</b>				
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	
<b>TBHQ UNLABELED (1948-33-0)</b>				
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	
<b>BLUE FOOD COLOR UNLABELED (3844-45-9)</b>				
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	
<b>RED FOOD COLOR UNLABELED</b>				
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	
<b>L-HISTIDINE:HCL:H2O UNLABELED (71-00-1)</b>				
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	
<b>L-ALANINE UNLABELED (56-41-7)</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>L-ASPARAGINE UNLABELED (70-47-3)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-ASPARTIC ACID UNLABELED (56-84-8)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-CYSTINE UNLABELED (56-89-3)</b>
<b>State or local regulations</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>GLYCINE UNLABELED (56-40-6)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-ISOLEUCINE UNLABELED (73-32-5)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-LYSINE:HCL UNLABELED (657-26-1)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-METHIONINE UNLABELED (63-68-3)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-PHENYLALANINE UNLABELED (63-91-2)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-PROLINE UNLABELED (147-85-3)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-SERINE UNLABELED (302-84-1)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-THREONINE UNLABELED (72-19-5)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-TYROSINE UNLABELED (60-18-4)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-VALINE UNLABELED (72-18-4)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>SUCROSE UNLABELED (57-50-1)</b>
<b>State or local regulations</b>
U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>CORN STARCH UNLABELED (9005-25-8)</b>
<b>State or local regulations</b>
U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>MALTODEXTRIN UNLABELED (9050-36-6)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>
<b>State or local regulations</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>CELLULOSE UNLABELED (9004-34-6)</b>
<b>State or local regulations</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>MINERAL MIX, AIN-93M-MX (94049) UNLABELED</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED (10031-30-8)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>VITAMIN MIX, AIN-93-VX (94047) UNLABELED</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>CHOLINE BITARTRATE UNLABELED (87-67-2)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>TBHQ UNLABELED (1948-33-0)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List

# Mouse Express L-LEUCINE (5,5,5-D3, 99%) MOUSE FEED

MF-LEU-D3

## 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

<b>TBHQ UNLABELED (1948-33-0)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
<b>BLUE FOOD COLOR UNLABELED (3844-45-9)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>RED FOOD COLOR UNLABELED</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>L-HISTIDINE:HCL:H2O UNLABELED (71-00-1)</b>
<b>State or local regulations</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) 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.

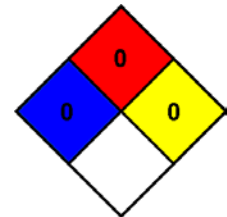
Full text of R-, H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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 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

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*



# Mouse Express UNLABELED 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

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

#### 1.1. Product identifier

Product form : Mixtures  
Product name : Mouse Express UNLABELED MOUSE FEED  
Product code : MF-UNLABELED  
Other means of identification : Also applicable to:  
MF-UNLABELED-IR UNLABELED IRRADIATED

#### 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

##### 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

# Mouse Express UNLABELED MOUSE FEED

MF-UNLABELED

## 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

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
SUCROSE UNLABELED	(CAS No) 57-50-1 (EC No) 200-334-9	35.29	Not classified
CORN STARCH UNLABELED	(CAS No) 9005-25-8 (EC No) 232-679-6 (EC Index No)	15	Not classified
MALTODEXTRIN UNLABELED	(CAS No) 9050-36-6 (EC No) (EC Index No)	15	Not classified
SOYBEAN OIL UNLABELED	(CAS No) 8001-22-7 (EC No) 232-274-4	8	Not classified
L-GLUTAMIC ACID UNLABELED	(CAS No) 56-86-0 (EC No) 200-293-7	4	Not classified
MINERAL MIX, AIN-93M-MX (94049) UNLABELED	(CAS No) (EC No) (EC Index No)	3.5	Not classified
CELLULOSE UNLABELED	(CAS No) 9004-34-6 (EC No) 232-674-9	3	Not classified
GLYCINE UNLABELED	(CAS No) 56-40-6 (EC No) 200-272-2	2.33	Not classified
VITAMIN MIX, AIN-93-VX (94047) UNLABELED	(CAS No) (EC No) (EC Index No)	1.95	Not classified
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2 (EC No) 214-275-1	1.21	Xi; R36/38
L-LEUCINE UNLABELED	(CAS No) 61-90-5 (EC No) 200-522-0	1.11	Not classified
L-LYSINE:HCL UNLABELED	(CAS No) 657-26-1 (EC No) 211-518-3	1	Not classified
L-VALINE UNLABELED	(CAS No) 72-18-4 (EC No) 200-773-6	0.82	Not classified
L-THREONINE UNLABELED	(CAS No) 72-19-5 (EC No) 200-774-1	0.82	Not classified
L-ISOLEUCINE UNLABELED	(CAS No) 73-32-5 (EC No) 200-798-2	0.82	Not classified
L-METHIONINE UNLABELED	(CAS No) 63-68-3 (EC No) 200-562-9	0.82	Not classified
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED	(CAS No) 10031-30-8 (EC No) 231-837-1 (EC Index No)	0.82	Xi; R36/37/38
L-PHENYLALANINE UNLABELED	(CAS No) 63-91-2 (EC No) 200-568-1	0.75	Not classified
L-ASPARAGINE UNLABELED	(CAS No) 70-47-3 (EC No) 200-735-9 (EC Index No)	0.6	Not classified
L-TYROSINE UNLABELED	(CAS No) 60-18-4 (EC No) 200-460-4	0.5	Xi; R36/37/38
L-HISTIDINE:HCL:H2O UNLABELED	(CAS No) 71-00-1 (EC No) 200-745-3	0.45	Not classified
L-ALANINE UNLABELED	(CAS No) 56-41-7 (EC No) 200-273-8	0.35	Not classified
L-ASPARTIC ACID UNLABELED	(CAS No) 56-84-8 (EC No) 200-291-6	0.35	Not classified
L-PROLINE UNLABELED	(CAS No) 147-85-3 (EC No) 205-702-2	0.35	Not classified
L-CYSTINE UNLABELED	(CAS No) 56-89-3 (EC No) 200-296-3	0.35	Not classified
L-SERINE UNLABELED	(CAS No) 302-84-1 (EC No) 206-130-6	0.35	Not classified
CHOLINE BITARTRATE UNLABELED	(CAS No) 87-67-2 (EC No) 201-763-4 (EC Index No)	0.28	Not classified
L-TRYPTOPHAN UNLABELED	(CAS No) 73-22-3 (EC No) 200-795-6	0.18	Not classified
TBHQ UNLABELED	(CAS No) 1948-33-0 (EC No) 217-752-2	0.002	Not classified

# Mouse Express UNLABELED MOUSE FEED

MF-UNLABELED

## 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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SUCROSE UNLABELED	(CAS No) 57-50-1 (EC No) 200-334-9	35.29	Not classified
CORN STARCH UNLABELED	(CAS No) 9005-25-8 (EC No) 232-679-6 (EC Index No)	15	Not classified
MALTODEXTRIN UNLABELED	(CAS No) 9050-36-6 (EC No) (EC Index No)	15	Not classified
SOYBEAN OIL UNLABELED	(CAS No) 8001-22-7 (EC No) 232-274-4	8	Not classified
L-GLUTAMIC ACID UNLABELED	(CAS No) 56-86-0 (EC No) 200-293-7	4	Not classified
MINERAL MIX, AIN-93M-MX (94049) UNLABELED	(CAS No) (EC No) (EC Index No)	3.5	Not classified
CELLULOSE UNLABELED	(CAS No) 9004-34-6 (EC No) 232-674-9	3	Not classified
GLYCINE UNLABELED	(CAS No) 56-40-6 (EC No) 200-272-2	2.33	Not classified
VITAMIN MIX, AIN-93-VX (94047) UNLABELED	(CAS No) (EC No) (EC Index No)	1.95	Not classified
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2 (EC No) 214-275-1	1.21	Skin Irrit. 2, H315 Eye Irrit. 2, H319
L-LEUCINE UNLABELED	(CAS No) 61-90-5 (EC No) 200-522-0	1.11	Not classified
L-LYSINE:HCL UNLABELED	(CAS No) 657-26-1 (EC No) 211-518-3	1	Skin Sens. 1, H317
L-VALINE UNLABELED	(CAS No) 72-18-4 (EC No) 200-773-6	0.82	Not classified
L-THREONINE UNLABELED	(CAS No) 72-19-5 (EC No) 200-774-1	0.82	Not classified
L-ISOLEUCINE UNLABELED	(CAS No) 73-32-5 (EC No) 200-798-2	0.82	Not classified
L-METHIONINE UNLABELED	(CAS No) 63-68-3 (EC No) 200-562-9	0.82	Not classified
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED	(CAS No) 10031-30-8 (EC No) 231-837-1 (EC Index No)	0.82	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-PHENYLALANINE UNLABELED	(CAS No) 63-91-2 (EC No) 200-568-1	0.75	Not classified
L-ASPARAGINE UNLABELED	(CAS No) 70-47-3 (EC No) 200-735-9 (EC Index No)	0.6	Not classified
L-TYROSINE UNLABELED	(CAS No) 60-18-4 (EC No) 200-460-4	0.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-HISTIDINE:HCL:H2O UNLABELED	(CAS No) 71-00-1 (EC No) 200-745-3	0.45	Not classified
L-ALANINE UNLABELED	(CAS No) 56-41-7 (EC No) 200-273-8	0.35	Not classified
L-ASPARTIC ACID UNLABELED	(CAS No) 56-84-8 (EC No) 200-291-6	0.35	Not classified
L-PROLINE UNLABELED	(CAS No) 147-85-3 (EC No) 205-702-2	0.35	Not classified
L-CYSTINE UNLABELED	(CAS No) 56-89-3 (EC No) 200-296-3	0.35	Not classified
L-SERINE UNLABELED	(CAS No) 302-84-1 (EC No) 206-130-6	0.35	Not classified
CHOLINE BITARTRATE UNLABELED	(CAS No) 87-67-2 (EC No) 201-763-4 (EC Index No)	0.28	Not classified
L-TRYPTOPHAN UNLABELED	(CAS No) 73-22-3 (EC No) 200-795-6	0.18	Not classified
TBHQ UNLABELED	(CAS No) 1948-33-0 (EC No) 217-752-2	0.002	Not classified

Name	Product identifier	%	GHS-US classification
L-GLUTAMIC ACID UNLABELED	(CAS No) 56-86-0	4	Not classified
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2	1.21	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
L-LYSINE:HCL UNLABELED	(CAS No) 657-26-1	1	Skin Sens. 1, H317



# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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

Full text of R- and H-statements: 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.
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/injuries after inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: May be harmful if absorbed through skin. May cause skin irritation.
Symptoms/injuries after eye contact	: 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 : 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

# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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

<b>SUCROSE UNLABELED (57-50-1)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>		
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)
<b>CELLULOSE UNLABELED (9004-34-6)</b>		
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)
<b>CORN STARCH UNLABELED (9005-25-8)</b>		
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.
Colour	: 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

# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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

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

### 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
ATE CLP (oral)	5000.000 mg/kg bodyweight
ATE CLP (dermal)	5000.000 mg/kg bodyweight
<b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>	
LD50 oral rat	12400 mg/kg
ATE CLP (oral)	12000.000 mg/kg bodyweight
<b>SUCROSE UNLABELED (57-50-1)</b>	
LD50 oral rat	29700 mg/kg Somnolence, Cyanosis, Diarrhea
ATE CLP (oral)	29700.000 mg/kg bodyweight
<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-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 bodyweight

# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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

GLYCINE UNLABELED (56-40-6)	
LD50 oral rat	7930 mg/kg
ATE CLP (oral)	7930.000 mg/kg bodyweight
L-TRYPTOPHAN UNLABELED (73-22-3)	
LD50 oral rat	> 16000 mg/kg
L-LEUCINE UNLABELED (61-90-5)	
LD50 oral rat	> 16000 mg/kg male and female
LD50 Intraperitoneal - Rat - 5,379 mg/kg Remarks	Lungs, Thorax, or Respiration: Dyspnea. Nutritional and Gross Metabolic: Changes in: Body temperature decrease.
L-TYROSINE UNLABELED (60-18-4)	
Additional information	LD50 Intraperitoneal - mouse - > 1,450 mg/kg
L-METHIONINE UNLABELED (63-68-3)	
LD50 oral rat	36000 mg/kg Remarks: Behavioral: Change in motor activity (specific assay). Skin and Appendages: Allergic (Multiple organ involvement) Anaphylaxis.
CELLULOSE UNLABELED (9004-34-6)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 6 mg/l/4h (Rat)
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED (10031-30-8)	
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.
L-GLUTAMIC ACID UNLABELED (56-86-0)	
LD50 oral rat	> 5110 mg/kg male and female
LD50 dermal rat	> 2000 mg/kg male and female (OECD Test Guideline 402)

Skin corrosion/irritation	: Not classified No data available
Serious eye damage/irritation	: Not classified No data available
Respiratory or skin sensitisation	: Not available No data available
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not classified
Reproductive toxicity	: Not available
STOT-single exposure	: Not classified No data available
STOT-repeated exposure	: Not classified No data available

L-LEUCINE UNLABELED (61-90-5)	
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/injuries after inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: May be harmful if absorbed through skin. May cause skin irritation.
Symptoms/injuries after eye contact	: Contact may cause eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

L-ALANINE UNLABELED (56-41-7)	
EC50 Daphnia 1	> 100 mg/l static test EC50 - Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)
L-VALINE UNLABELED (72-18-4)	
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

# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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

<b>L-PROLINE UNLABELED (147-85-3)</b>	
EC50 Daphnia 1	> 100 mg/l - Daphnia magna (Water flea) - 48 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)
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
LC50 fish 1	> 100 mg/l Cyprinus carpio (Carp) - static test - 96 h
EC50 Daphnia 1	> 100 g/l Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)
EC50 other aquatic organisms 1	> 31 mg/l Pseudokirchneriella subcapitata (green algae) - static test - 72 h

### 12.2. Persistence and degradability

<b>Mouse Express UNLABELED MOUSE FEED</b>	
Persistence and degradability	Not available.
<b>L-ALANINE UNLABELED (56-41-7)</b>	
Persistence and degradability	Not available.
<b>L-ASPARTIC ACID UNLABELED (56-84-8)</b>	
Persistence and degradability	Not available.
<b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>	
Persistence and degradability	Not available.
<b>SUCROSE UNLABELED (57-50-1)</b>	
Persistence and degradability	Not available.
<b>L-VALINE UNLABELED (72-18-4)</b>	
Persistence and degradability	Aerobic - exposure time: 28 d.
<b>L-PHENYLALANINE UNLABELED (63-91-2)</b>	
Persistence and degradability	Not available.
<b>L-PROLINE UNLABELED (147-85-3)</b>	
Persistence and degradability	Not available.
<b>L-THREONINE UNLABELED (72-19-5)</b>	
Persistence and degradability	Not available.
<b>L-ISOLEUCINE UNLABELED (73-32-5)</b>	
Persistence and degradability	Not available.
<b>GLYCINE UNLABELED (56-40-6)</b>	
Persistence and degradability	Not available.
<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>	
Persistence and degradability	Not available.
<b>L-LEUCINE UNLABELED (61-90-5)</b>	
Persistence and degradability	Not available.
<b>L-SERINE UNLABELED (302-84-1)</b>	
Persistence and degradability	Not available.
<b>L-TYROSINE UNLABELED (60-18-4)</b>	
Persistence and degradability	Not available.
<b>L-METHIONINE UNLABELED (63-68-3)</b>	
Persistence and degradability	Not available.
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available.
BOD (% of ThOD)	0.39
<b>CELLULOSE UNLABELED (9004-34-6)</b>	
Persistence and degradability	Biodegradable in water.
<b>L-LYSINE:HCL UNLABELED (657-26-1)</b>	
Persistence and degradability	Not available.
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
Persistence and degradability	Aerobic - exposure time: 28 d.
Biodegradation	97 % Readily biodegradable

# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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

### 12.3. Bioaccumulative potential

Mouse Express UNLABELED MOUSE FEED	
Bioaccumulative potential	Not available.
L-ALANINE UNLABELED (56-41-7)	
Log Pow	-2.74 at 20 °C (68 °F)
Bioaccumulative potential	Not available.
L-ASPARTIC ACID UNLABELED (56-84-8)	
Bioaccumulative potential	Not available.
L-ARGININE:HCL UNLABELED (1119-34-2)	
Bioaccumulative potential	Not available.
SUCROSE UNLABELED (57-50-1)	
Bioaccumulative potential	Not available.
L-VALINE UNLABELED (72-18-4)	
Log Pow	-2.259 at 20 °C (68 °F)
Bioaccumulative potential	Not available.
L-PHENYLALANINE UNLABELED (63-91-2)	
Bioaccumulative potential	Not available.
L-PROLINE UNLABELED (147-85-3)	
Bioaccumulative potential	Not available.
L-THREONINE UNLABELED (72-19-5)	
Log Pow	-1.43
Bioaccumulative potential	Not available.
L-ISOLEUCINE UNLABELED (73-32-5)	
Log Pow	-1.58
Bioaccumulative potential	Not available.
GLYCINE UNLABELED (56-40-6)	
Bioaccumulative potential	Not available.
L-TRYPTOPHAN UNLABELED (73-22-3)	
Bioaccumulative potential	Not available.
L-LEUCINE UNLABELED (61-90-5)	
Bioaccumulative potential	Not available.
L-SERINE UNLABELED (302-84-1)	
Bioaccumulative potential	Not available.
L-TYROSINE UNLABELED (60-18-4)	
Log Pow	-2.26 at 25 °C (77 °F)
Bioaccumulative potential	Not available.
L-METHIONINE UNLABELED (63-68-3)	
Bioaccumulative potential	Not available.
SOYBEAN OIL UNLABELED (8001-22-7)	
Bioaccumulative potential	Not bioaccumulative.
CELLULOSE UNLABELED (9004-34-6)	
Bioaccumulative potential	Bioaccumulation: not applicable.
L-LYSINE:HCL UNLABELED (657-26-1)	
Bioaccumulative potential	Not available.
L-GLUTAMIC ACID UNLABELED (56-86-0)	
Log Pow	< -4 at 20 °C (68 °F)
Bioaccumulative potential	Not available.

### 12.4. Mobility in soil

Mouse Express UNLABELED MOUSE FEED	
Ecology - soil	Not available.
L-ALANINE UNLABELED (56-41-7)	
Ecology - soil	Not available.
L-ASPARTIC ACID UNLABELED (56-84-8)	
Ecology - soil	Not available.

# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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

<b>L-ARGININE:HCL UNLABELED (1119-34-2)</b>	
Ecology - soil	Not available.
<b>SUCROSE UNLABELED (57-50-1)</b>	
Ecology - soil	Not available.
<b>L-VALINE UNLABELED (72-18-4)</b>	
Ecology - soil	Not available.
<b>L-PHENYLALANINE UNLABELED (63-91-2)</b>	
Ecology - soil	Not available.
<b>L-PROLINE UNLABELED (147-85-3)</b>	
Ecology - soil	Not available.
<b>L-THREONINE UNLABELED (72-19-5)</b>	
Ecology - soil	Not available.
<b>L-ISOLEUCINE UNLABELED (73-32-5)</b>	
Ecology - soil	Not available.
<b>GLYCINE UNLABELED (56-40-6)</b>	
Ecology - soil	Not available.
<b>L-TRYPTOPHAN UNLABELED (73-22-3)</b>	
Ecology - soil	Not available.
<b>L-LEUCINE UNLABELED (61-90-5)</b>	
Ecology - soil	Not available.
<b>L-SERINE UNLABELED (302-84-1)</b>	
Ecology - soil	Not available.
<b>L-TYROSINE UNLABELED (60-18-4)</b>	
Ecology - soil	Not available.
<b>L-METHIONINE UNLABELED (63-68-3)</b>	
Ecology - soil	Not available.
<b>SOYBEAN OIL UNLABELED (8001-22-7)</b>	
Surface tension	0.025 N/m (20 °C)
<b>L-LYSINE:HCL UNLABELED (657-26-1)</b>	
Ecology - soil	Not available.
<b>L-GLUTAMIC ACID UNLABELED (56-86-0)</b>	
Ecology - soil	Not available.

### 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 MOUSE FEED MF-UNLABELED

## 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.
L-GLUTAMIC ACID UNLABELED (56-86-0)	
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 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 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	U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List



# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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-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	
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-GLUTAMIC ACID UNLABELED (56-86-0)				
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				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
L-LYSINE:HCL UNLABELED (657-26-1)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
L-GLUTAMIC ACID UNLABELED (56-86-0)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List 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.

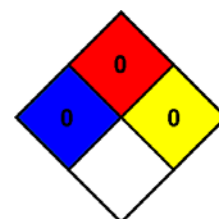
Full text of R-, H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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 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.



# Mouse Express UNLABELED MOUSE FEED MF-UNLABELED

## 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

---

### 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*