



Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF 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: 15/06/2017

Revision date: 29/08/2018

Supersedes: 15/06/2017

Version: 1.1

MF-HAHA

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

1.1. Product identifier

Product form : Mixtures
Product name : Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED
Product code : MF-HAHA

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 www.isotope.com

Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours)
International: 1-703-741-5970 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

GHS-US classification

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH phrases : EUH208 - Contains L-LYSINE:HCL UNLABELED(657-26-1). May produce an allergic reaction
EUH210 - Safety data sheet available on request

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

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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	40.33	Not classified
MALTODEXTRIN UNLABELED	(CAS-No.) 9050-36-6 (EC-No.) (EC Index-No.)	15	Not classified
CORN STARCH UNLABELED	(CAS-No.) 9005-25-8 (EC-No.) 232-679-6 (EC Index-No.)	10	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	4.945	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	2.812	Not classified
VITAMIN MIX, AIN-93-VX (94047) UNLABELED	(CAS-No.) (EC-No.) (EC Index-No.)	1.3	Not classified
L-SERINE UNLABELED	(CAS-No.) 302-84-1 (EC-No.) 206-130-6	1.232	Not classified
L-ASPARTIC ACID UNLABELED	(CAS-No.) 56-84-8 (EC-No.) 200-291-6	1.206	Not classified
L-ASPARAGINE UNLABELED	(CAS-No.) 70-47-3 (EC-No.) 200-735-9 (EC Index-No.)	1.025	Not classified
L-ALANINE UNLABELED	(CAS-No.) 56-41-7 (EC-No.) 200-273-8	0.923	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-LEUCINE (5,5,5-D3, 99%)	(CAS-No.) 87828-86-2 (EC-No.) 200-522-0 (Unlabeled)	0.75	Not classified
L-VALINE UNLABELED	(CAS-No.) 72-18-4 (EC-No.) 200-773-6	0.55	Not classified
L-LYSINE:HCL UNLABELED	(CAS-No.) 657-26-1 (EC-No.) 211-518-3	0.55	Not classified
L-TYROSINE UNLABELED	(CAS-No.) 60-18-4 (EC-No.) 200-460-4	0.5	Xi; R36/37/38
L-THREONINE UNLABELED	(CAS-No.) 72-19-5 (EC-No.) 200-774-1	0.425	Not classified
L-ISOLEUCINE UNLABELED	(CAS-No.) 73-32-5 (EC-No.) 200-798-2	0.425	Not classified
L-ARGININE:HCL UNLABELED	(CAS-No.) 1119-34-2 (EC-No.) 214-275-1	0.37	Xi; R36/38
L-PROLINE UNLABELED	(CAS-No.) 147-85-3 (EC-No.) 205-702-2	0.35	Not classified
L-HISTIDINE:HCL:H2O UNLABELED	(CAS-No.) 71-00-1 (EC-No.) 200-745-3	0.35	Not classified
L-CYSTINE UNLABELED	(CAS-No.) 56-89-3 (EC-No.) 200-296-3	0.3	Not classified
CHOLINE BITARTRATE UNLABELED	(CAS-No.) 87-67-2 (EC-No.) 201-763-4 (EC Index-No.)	0.25	Not classified
L-AZIDOHOMOALANINE:HCL (1,2,3,4-13C4, 99%; 2,4-15N2, 98%)	(CAS-No.) 942518-29-8 (Unlabeled)	0.2	Xi; R36/37/38
L-TRYPTOPHAN UNLABELED	(CAS-No.) 73-22-3 (EC-No.) 200-795-6	0.125	Not classified
BLUE FOOD COLOR UNLABELED	(CAS-No.) 3844-45-9 (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

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SUCROSE UNLABELED	(CAS-No.) 57-50-1 (EC-No.) 200-334-9	40.33	Not classified
MALTODEXTRIN UNLABELED	(CAS-No.) 9050-36-6 (EC-No.) (EC Index-No.)	15	Not classified
CORN STARCH UNLABELED	(CAS-No.) 9005-25-8 (EC-No.) 232-679-6 (EC Index-No.)	10	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	4.945	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	2.812	Not classified
VITAMIN MIX, AIN-93-VX (94047) UNLABELED	(CAS-No.) (EC-No.) (EC Index-No.)	1.3	Not classified
L-SERINE UNLABELED	(CAS-No.) 302-84-1 (EC-No.) 206-130-6	1.232	Not classified
L-ASPARTIC ACID UNLABELED	(CAS-No.) 56-84-8 (EC-No.) 200-291-6	1.206	Not classified
L-ASPARAGINE UNLABELED	(CAS-No.) 70-47-3 (EC-No.) 200-735-9 (EC Index-No.)	1.025	Not classified
L-ALANINE UNLABELED	(CAS-No.) 56-41-7 (EC-No.) 200-273-8	0.923	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-LEUCINE (5,5,5-D3, 99%)	(CAS-No.) 87828-86-2 (EC-No.) 200-522-0 (Unlabeled)	0.75	Not classified
L-VALINE UNLABELED	(CAS-No.) 72-18-4 (EC-No.) 200-773-6	0.55	Not classified
L-LYSINE:HCL UNLABELED	(CAS-No.) 657-26-1 (EC-No.) 211-518-3	0.55	Skin Sens. 1, H317
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-THREONINE UNLABELED	(CAS-No.) 72-19-5 (EC-No.) 200-774-1	0.425	Not classified
L-ISOLEUCINE UNLABELED	(CAS-No.) 73-32-5 (EC-No.) 200-798-2	0.425	Not classified
L-ARGININE:HCL UNLABELED	(CAS-No.) 1119-34-2 (EC-No.) 214-275-1	0.37	Skin Irrit. 2, H315 Eye Irrit. 2, H319
L-PROLINE UNLABELED	(CAS-No.) 147-85-3 (EC-No.) 205-702-2	0.35	Not classified
L-HISTIDINE:HCL:H2O UNLABELED	(CAS-No.) 71-00-1 (EC-No.) 200-745-3	0.35	Not classified
L-CYSTINE UNLABELED	(CAS-No.) 56-89-3 (EC-No.) 200-296-3	0.3	Not classified
CHOLINE BITARTRATE UNLABELED	(CAS-No.) 87-67-2 (EC-No.) 201-763-4 (EC Index-No.)	0.25	Not classified
L-AZIDOHOMOALANINE:HCL (1,2,3,4-13C4, 99%; 2,4-15N2, 98%)	(CAS-No.) 942518-29-8 (Unlabeled)	0.2	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-TRYPTOPHAN UNLABELED	(CAS-No.) 73-22-3 (EC-No.) 200-795-6	0.125	Not classified
BLUE FOOD COLOR UNLABELED	(CAS-No.) 3844-45-9 (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
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CORN STARCH UNLABELED	(CAS-No.) 9005-25-8	10	Not classified
SOYBEAN OIL UNLABELED	(CAS-No.) 8001-22-7	8	Not classified
L-GLUTAMIC ACID UNLABELED	(CAS-No.) 56-86-0	4.945	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	2.812	Not classified
VITAMIN MIX, AIN-93-VX (94047) UNLABELED	(CAS-No.)	1.3	Not classified
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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-LEUCINE (5,5,5-D3, 99%)	(CAS-No.) 87828-86-2	0.75	Not classified
L-VALINE UNLABELED	(CAS-No.) 72-18-4	0.55	Not classified
L-LYSINE:HCL UNLABELED	(CAS-No.) 657-26-1	0.55	Skin Sens. 1, H317
L-TYROSINE UNLABELED	(CAS-No.) 60-18-4	0.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-THREONINE UNLABELED	(CAS-No.) 72-19-5	0.425	Not classified
L-ISOLEUCINE UNLABELED	(CAS-No.) 73-32-5	0.425	Not classified
L-ARGININE:HCL UNLABELED	(CAS-No.) 1119-34-2	0.37	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
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L-CYSTINE UNLABELED	(CAS-No.) 56-89-3	0.3	Not classified
CHOLINE BITARTRATE UNLABELED	(CAS-No.) 87-67-2	0.25	Not classified
L-AZIDOHOMOALANINE:HCL (1,2,3,4-13C4, 99%; 2,4-15N2, 98%)	(CAS-No.) 942518-29-8 (Unlabeled)	0.2	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-TRYPTOPHAN UNLABELED	(CAS-No.) 73-22-3	0.125	Not classified
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TBHQ UNLABELED	(CAS-No.) 1948-33-0	0.002	Not classified

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: 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/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: May be harmful in contact with skin. May cause moderate irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

No additional information available

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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 vapors, 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, shoveling) and collect in suitable container for disposal.
- Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate ventilation to minimize dust and/or vapor 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 ³)	5 mg/m ³
CORN STARCH UNLABELED (9005-25-8)		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ Dermatitis. Not classifiable as a human carcinogen
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
SOYBEAN OIL UNLABELED (8001-22-7)		
Belgium	Limit value (mg/m ³)	10 mg/m ³ (Huiles végétales (brouillards); Belgium; Time-weighted average exposure limit 8 h)
CELLULOSE UNLABELED (9004-34-6)		
Belgium	Limit value (mg/m ³)	10 mg/m ³ (Cellulose; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m ³)	10 mg/m ³ (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 ³)	10 mg/m ³ (Cellulose; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Cotton dust, raw, untreated; 0.1 mg/m ³ ; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Thoracic fraction)

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CELLULOSE UNLABELED (9004-34-6)		
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ Cellulose inhalable dust; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005); Cellulose respirable dust; 4 mg/m ³ ; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m ³)	20 mg/m ³ 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, Powder
Color	: Blue
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information 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

No additional information available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

L-ALANINE UNLABELED (56-41-7)	
LD50 oral rat	> 5110 mg/kg male and female
L-ARGININE:HCL UNLABELED (1119-34-2)	
LD50 oral rat	12400 mg/kg
ATE CLP (oral)	12000.000 mg/kg body weight
L-ASPARTIC ACID UNLABELED (56-84-8)	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	5000 mg/kg
ATE CLP (oral)	5000.000 mg/kg body weight
ATE CLP (dermal)	5000.000 mg/kg body weight
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)
GLYCINE UNLABELED (56-40-6)	
LD50 oral rat	7930 mg/kg
ATE CLP (oral)	7930.000 mg/kg body weight
L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)	
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-PROLINE UNLABELED (147-85-3)	
LD50 oral rat	> 5110 mg/kg
L-TRYPTOPHAN UNLABELED (73-22-3)	
LD50 oral rat	> 16000 mg/kg
L-TYROSINE UNLABELED (60-18-4)	
Additional information	LD50 Intraperitoneal - mouse - > 1,450 mg/kg
L-VALINE UNLABELED (72-18-4)	
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 ³ (OECD Test Guideline 403)
SUCROSE UNLABELED (57-50-1)	
LD50 oral rat	29700 mg/kg Somnolence, Cyanosis, Diarrhea
ATE CLP (oral)	29700.000 mg/kg body weight
CELLULOSE UNLABELED (9004-34-6)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)

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CELLULOSE UNLABELED (9004-34-6)	
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-HISTIDINE:HCL:H2O UNLABELED (71-00-1)	
LD50 oral rat	15000 mg/kg
ATE CLP (oral)	15000.000 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)	
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/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: May be harmful in contact with skin. May cause moderate irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects 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-GLUTAMIC ACID UNLABELED (56-86-0)	
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
L-PROLINE UNLABELED (147-85-3)	
EC50 Daphnia 1	> 100 mg/l - Daphnia magna (Water flea) - 48 h
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
CELLULOSE UNLABELED (9004-34-6)	
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

L-GLUTAMIC ACID UNLABELED (56-86-0)	
Persistence and degradability	Aerobic - exposure time: 28 d.
Biodegradation	97 % Readily biodegradable
L-VALINE UNLABELED (72-18-4)	
Persistence and degradability	Aerobic - exposure time: 28 d.

Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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SOYBEAN OIL UNLABELED (8001-22-7)	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available.
BOD (% of ThOD)	0.39

CELLULOSE UNLABELED (9004-34-6)	
Persistence and degradability	Biodegradable in water.

12.3. Bioaccumulative potential

L-ALANINE UNLABELED (56-41-7)	
Log Pow	-2.74 at 20 °C (68 °F)
Bioaccumulative potential	Not available.

L-GLUTAMIC ACID UNLABELED (56-86-0)	
Log Pow	< -4 at 20 °C (68 °F)
Bioaccumulative potential	Not available.

L-ISOLEUCINE UNLABELED (73-32-5)	
Log Pow	-1.58
Bioaccumulative potential	Not available.

L-THREONINE UNLABELED (72-19-5)	
Log Pow	-1.43
Bioaccumulative potential	Not available.

L-TYROSINE UNLABELED (60-18-4)	
Log Pow	-2.26 at 25 °C (77 °F)
Bioaccumulative potential	Not available.

L-VALINE UNLABELED (72-18-4)	
Log Pow	-2.259 at 20 °C (68 °F)
Bioaccumulative potential	Not available.

SOYBEAN OIL UNLABELED (8001-22-7)	
Bioaccumulative potential	Not bioaccumulative.

CELLULOSE UNLABELED (9004-34-6)	
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Mobility in soil

SOYBEAN OIL UNLABELED (8001-22-7)	
Surface tension	0.025 N/m (20 °C)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

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.

Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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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

Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
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SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
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L-ALANINE UNLABELED (56-41-7)

SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
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SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
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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.
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SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
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L-ASPARAGINE UNLABELED (70-47-3)

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.
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L-ASPARTIC ACID UNLABELED (56-84-8)

SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
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SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
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L-CYSTINE UNLABELED (56-89-3)

SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
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SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
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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.
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SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
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GLYCINE UNLABELED (56-40-6)

SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
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SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
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Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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L-ISOLEUCINE UNLABELED (73-32-5)	
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-LEUCINE (5,5,5-D3, 99%) (87828-86-2)	
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-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-PHENYLALANINE UNLABELED (63-91-2)	
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-PROLINE UNLABELED (147-85-3)	
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-SERINE UNLABELED (302-84-1)	
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-THREONINE UNLABELED (72-19-5)	
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-TRYPTOPHAN UNLABELED (73-22-3)	
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-TYROSINE UNLABELED (60-18-4)	
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-VALINE UNLABELED (72-18-4)	
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.
SUCROSE UNLABELED (57-50-1)	
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.
CORN STARCH UNLABELED (9005-25-8)	
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.
MALTODEXTRIN UNLABELED (9050-36-6)	
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.
SOYBEAN OIL UNLABELED (8001-22-7)	
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 HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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CELLULOSE UNLABELED (9004-34-6)	
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.
MINERAL MIX, AIN-93M-MX (94049) 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.
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED (10031-30-8)	
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.
VITAMIN MIX, AIN-93-VX (94047) 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.
CHOLINE BITARTRATE UNLABELED (87-67-2)	
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.
TBHQ UNLABELED (1948-33-0)	
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.
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.
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.
L-AZIDOHOMOALANINE:HCL (1,2,3,4-13C4, 99%; 2,4-15N2, 98%) (942518-29-8 (Unlabeled))	
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.

15.2. International regulations

CANADA

Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF 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 HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF 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 HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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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	
L-CYSTINE UNLABELED (56-89-3)				
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-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	
GLYCINE UNLABELED (56-40-6)				
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-ISOLEUCINE UNLABELED (73-32-5)				
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-LEUCINE (5,5,5-D3, 99%) (87828-86-2)				
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	

Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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L-LYSINE:HCL UNLABELED (657-26-1)				
		Female	Male	
No	No	No	No	
L-PHENYLALANINE UNLABELED (63-91-2)				
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-PROLINE UNLABELED (147-85-3)				
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-SERINE UNLABELED (302-84-1)				
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-THREONINE UNLABELED (72-19-5)				
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-TRYPTOPHAN UNLABELED (73-22-3)				
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-TYROSINE UNLABELED (60-18-4)				
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-VALINE UNLABELED (72-18-4)				
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	
SUCROSE UNLABELED (57-50-1)				
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	
CORN STARCH UNLABELED (9005-25-8)				
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)

Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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CORN STARCH UNLABELED (9005-25-8)				
No	No	No	No	
MALTODEXTRIN UNLABELED (9050-36-6)				
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	
SOYBEAN OIL UNLABELED (8001-22-7)				
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	
CELLULOSE UNLABELED (9004-34-6)				
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	
MINERAL MIX, AIN-93M-MX (94049) UNLABELED				
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	
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED (10031-30-8)				
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	
VITAMIN MIX, AIN-93-VX (94047) UNLABELED				
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	
CHOLINE BITARTRATE UNLABELED (87-67-2)				
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	
TBHQ UNLABELED (1948-33-0)				
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	
BLUE FOOD COLOR UNLABELED (3844-45-9)				
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 HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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

L-HISTIDINE:HCL:H2O UNLABELED (71-00-1)				
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-AZIDOHOMOALANINE:HCL (1,2,3,4-13C4, 99%; 2,4-15N2, 98%) (942518-29-8 (Unlabeled))				
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-ALANINE UNLABELED (56-41-7)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
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-ASPARAGINE UNLABELED (70-47-3)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
L-ASPARTIC ACID UNLABELED (56-84-8)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
L-CYSTINE UNLABELED (56-89-3)				
State or local regulations				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) 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				
GLYCINE UNLABELED (56-40-6)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
L-ISOLEUCINE UNLABELED (73-32-5)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
L-LEUCINE (5,5,5-D3, 99%) (87828-86-2)				
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				

Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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L-PHENYLALANINE UNLABELED (63-91-2)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
L-PROLINE UNLABELED (147-85-3)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
L-SERINE UNLABELED (302-84-1)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
L-THREONINE UNLABELED (72-19-5)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
L-TRYPTOPHAN UNLABELED (73-22-3)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
L-TYROSINE UNLABELED (60-18-4)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
L-VALINE UNLABELED (72-18-4)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
SUCROSE UNLABELED (57-50-1)
State or local regulations
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
CORN STARCH UNLABELED (9005-25-8)
State or local regulations
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
MALTODEXTRIN UNLABELED (9050-36-6)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
SOYBEAN OIL UNLABELED (8001-22-7)
State or local regulations
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
CELLULOSE UNLABELED (9004-34-6)
State or local regulations
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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MINERAL MIX, AIN-93M-MX (94049) UNLABELED
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
CALCIUM PHOSPHATE MONOBASIC MONOHYDRATE UNLABELED (10031-30-8)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
VITAMIN MIX, AIN-93-VX (94047) UNLABELED
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
CHOLINE BITARTRATE UNLABELED (87-67-2)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
TBHQ UNLABELED (1948-33-0)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
BLUE FOOD COLOR UNLABELED (3844-45-9)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
L-HISTIDINE:HCL:H2O UNLABELED (71-00-1)
State or local regulations
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
L-AZIDOHOMOALANINE:HCL (1,2,3,4-13C4, 99%; 2,4-15N2, 98%) (942518-29-8 (Unlabeled))
State or local regulations
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-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
EUH208	Contains . May produce an allergic reaction
EUH210	Safety data sheet available on request
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
Xi	Irritant

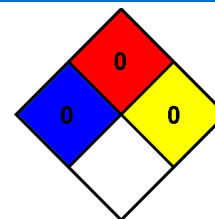
Mouse Express HAHA MOUSE FEED CONTAINS 2G AHA:HCL (1,2,3,4-13C4,99%;2,4-15N2,98%) PER KG OF FEED

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NFPA health hazard	: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
NFPA fire hazard	: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health	: 0 Minimal Hazard - No significant risk to health
Flammability	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard

CIL 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