Metabolomics QReSS™ Standard Mix 1

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 5/28/2020 Revision date: 3/18/2024 Supersedes: 7/7/2021 Version: 2.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Metabolomics QReSS™ Standard Mix 1
Product code : MSK-QRESS1

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Cambridge Isotope Laboratories, Inc.
50 Frontage Rd
01810
ANDOVER, MA, 01810
USA
T 1-800-322-1174
cilsales@isotope.com - www.isotope.com

1.4. Emergency telephone number

Emergency number : 1-703-741-5970
Chemtrec 1-800-424-9300 24 hours

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Warning
Hazard statements (GHS US) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
Precautionary statements (GHS US) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a doctor, a POISON CENTER if you feel unwell.
P321 - Specific treatment (see Hazardous component(s) for labeling on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
CREATININE (N-METHYL-D3, 98%)	CAS-No.: 143827-20-7	9.091	Not classified
VITAMIN B3 (NICOTINAMIDE) (13C6, 99%)	CAS-No.: 98-92-0 (Unlabeled)	9.091	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
1,4-BUTANEDIAMINE:2HCL (13C4, 99%)	CAS-No.: 333-93-7 (Unlabeled)	9.091	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-TRYPTOPHAN (13C11, 99%)	CAS-No.: 73-22-3 (Unlabeled)	9.091	Not classified
HYPOXANTHINE (13C5, 99%)	CAS-No.: 68-94-0 (Unlabeled)	9.091	Not classified
L-TYROSINE (RING-13C6, 99%)	CAS-No.: 201595-63-3	9.091	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
THYMINE (1,3-15N2, 98%)	CAS-No.: 65-71-4 (Unlabeled)	9.091	Not classified
GUANOSINE:2H2O (15N5, 96-98%)	CAS-No.: 6010-14-6	9.091	Not classified
L-ALANINE (13C3, 99%; 15N, 99%)	CAS-No.: 202407-38-3	9.091	Not classified
ETHANOLAMINE:HCL (1,1,2,2-D4, 98%)	CAS-No.: 2002-24-6 (Unlabeled)	9.091	Not classified
L-PHENYLALANINE (RING-13C6, 99%)	CAS-No.: 63-91-2 (Unlabeled)	4.545	Not classified

Name	Product identifier	%	GHS US classification
L-LEUCINE (13C6, 99%)	CAS-No.: 201740-84-3	4.545	Not classified

Full text of hazard classes 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. and soap. 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 (acute and delayed)

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 : Causes skin irritation. May cause moderate irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : May be harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2).

5.3. Special protective equipment and precautions for fire-fighters

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

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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

For further information refer to section 13.

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. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Store in a well-ventilated place. Keep container tightly closed.
Storage conditions	:	Store in freezer (-20°C). Protect from light.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Metabolomics QReSS™ Standard Mix 1

No additional information available

CREATININE (N-METHYL-D3, 98%) (143827-20-7)

No additional information available

VITAMIN B3 (NICOTINAMIDE) (13C6, 99%) (98-92-0 (Unlabeled))

No additional information available

1,4-BUTANEDIAMINE:2HCL (13C4, 99%) (333-93-7 (Unlabeled))

No additional information available

L-TRYPTOPHAN (13C11, 99%) (73-22-3 (Unlabeled))

No additional information available

HYPOXANTHINE (13C5, 99%) (68-94-0 (Unlabeled))

USA - ACGIH - Occupational Exposure Limits

ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

L-TYROSINE (RING-13C6, 99%) (201595-63-3)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

THYMINE (1,3-15N2, 98%) (65-71-4 (Unlabeled))
No additional information available

L-PHENYLALANINE (RING-13C6, 99%) (63-91-2 (Unlabeled))	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

GUANOSINE:2H2O (15N5, 96-98%) (6010-14-6)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

L-ALANINE (13C3, 99%; 15N, 99%) (202407-38-3)
No additional information available

ETHANOLAMINE:HCL (1,1,2,2-D4, 98%) (2002-24-6 (Unlabeled))
No additional information available

L-LEUCINE (13C6, 99%) (201740-84-3)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

8.2. Appropriate engineering controls

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

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.

Materials for protective clothing:
Wear suitable protective clothing and gloves

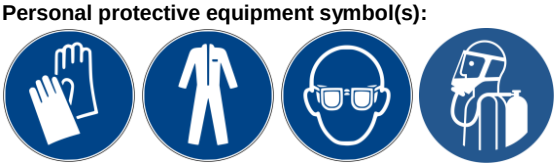
Hand protection:
Wear suitable protective clothing and gloves

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

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Solid.
Color	:	White to off-white
Odor	:	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: No data available No data available. Odourless
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	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
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

See storage and expiration date on CoA.

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 (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

VITAMIN B3 (NICOTINAMIDE) (13C6, 99%) (98-92-0 (Unlabeled))	
LD50 oral rat	3500 mg/kg
ATE US (oral)	3500 mg/kg body weight

L-TRYPTOPHAN (13C11, 99%) (73-22-3 (Unlabeled))	
LD50 oral rat	> 16000 mg/kg Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Ptosis. Behavioral: Coma. Nutritional and Gross Metabolic: Changes in: Body temperature decrease.

THYMINE (1,3-15N2, 98%) (65-71-4 (Unlabeled))	
LD50 oral	3500 mg/kg mouse

L-ALANINE (13C3, 99%; 15N, 99%) (202407-38-3)	
LD50 oral rat	> 5110 mg/kg male and female

ETHANOLAMINE:HCL (1,1,2,2-D4, 98%) (2002-24-6 (Unlabeled))	
LD50, Subcutaneous, mouse	4,053 mg/kg

L-LEUCINE (13C6, 99%) (201740-84-3)	
LD50 oral rat	> 16000 mg/kg male and female

Skin corrosion/irritation : Causes skin irritation.

L-PHENYLALANINE (RING-13C6, 99%) (63-91-2 (Unlabeled))	
pH	5 – 7 at 16.5 g/l at 25 °C (77 °F)

L-ALANINE (13C3, 99%; 15N, 99%) (202407-38-3)	
pH	5.5 – 7 at 89.1 g/l at 25 °C (77 °F)

Serious eye damage/irritation : Causes serious eye irritation.

L-PHENYLALANINE (RING-13C6, 99%) (63-91-2 (Unlabeled))	
pH	5 – 7 at 16.5 g/l at 25 °C (77 °F)

L-ALANINE (13C3, 99%; 15N, 99%) (202407-38-3)	
pH	5.5 – 7 at 89.1 g/l at 25 °C (77 °F)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

HYPOXANTHINE (13C5, 99%) (68-94-0 (Unlabeled))	
National Toxicology Program (NTP) Status	No component of this product present at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP.

L-TYROSINE (RING-13C6, 99%) (201595-63-3)	
National Toxicology Program (NTP) Status	No component of this product present at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

VITAMIN B3 (NICOTINAMIDE) (13C6, 99%) (98-92-0 (Unlabeled))	
STOT-single exposure	May cause respiratory irritation.

1,4-BUTANEDIAMINE:2HCL (13C4, 99%) (333-93-7 (Unlabeled))	
STOT-single exposure	May cause respiratory irritation.

L-TYROSINE (RING-13C6, 99%) (201595-63-3)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

L-LEUCINE (13C6, 99%) (201740-84-3)	
NOAEL (oral,rat,90 days)	3840 mg/kg bodyweight/day female

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

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 : Causes skin irritation. May cause moderate irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : May be harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

L-ALANINE (13C3, 99%; 15N, 99%) (202407-38-3)	
EC50 - Crustacea [1]	> 100 g/l static test - Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

L-TYROSINE (RING-13C6, 99%) (201595-63-3)	
Partition coefficient n-octanol/water (Log Pow)	-2.26 at 25 °C (77 °F)
GUANOSINE:2H2O (15N5, 96-98%) (6010-14-6)	
Partition coefficient n-octanol/water (Log Pow)	1.918
L-ALANINE (13C3, 99%; 15N, 99%) (202407-38-3)	
Partition coefficient n-octanol/water (Log Pow)	-2.74 at 20 °C (68 °F)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other adverse effects : Avoid release to the environment. Disposal must be done according to official regulations.

SECTION 13: Disposal considerations

13.1. Disposal 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 DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

TDG
Transport hazard class(es) (TDG) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT
No data available

TDG
No data available

IMDG
No data available

IATA
No data available

14.7. 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

Metabolomics QReSS™ Standard Mix 1	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
CREATININE (N-METHYL-D3, 98%)	143827-20-7	Not present	-	
VITAMIN B3 (NICOTINAMIDE) (13C6, 99%)	98-92-0 (Unlabeled)	Not present	-	
1,4-BUTANEDIAMINE:2HCL (13C4, 99%)	333-93-7 (Unlabeled)	Not present	-	
L-TRYPTOPHAN (13C11, 99%)	73-22-3 (Unlabeled)	Not present	-	
HYPOXANTHINE (13C5, 99%)	68-94-0 (Unlabeled)	Not present	-	
L-TYROSINE (RING-13C6, 99%)	201595-63-3	Not present	-	
THYMINE (1,3-15N2, 98%)	65-71-4 (Unlabeled)	Not present	-	
L-PHENYLALANINE (RING-13C6, 99%)	63-91-2 (Unlabeled)	Not present	-	
GUANOSINE:2H2O (15N5, 96-98%)	6010-14-6	Not present	-	
L-ALANINE (13C3, 99%; 15N, 99%)	202407-38-3	Not present	-	
ETHANOLAMINE:HCL (1,1,2,2-D4, 98%)	2002-24-6 (Unlabeled)	Not present	-	
L-LEUCINE (13C6, 99%)	201740-84-3	Not present	-	

CREATININE (N-METHYL-D3, 98%) (143827-20-7)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.

VITAMIN B3 (NICOTINAMIDE) (13C6, 99%) (98-92-0 (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

1,4-BUTANEDIAMINE:2HCL (13C4, 99%) (333-93-7 (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

L-TRYPTOPHAN (13C11, 99%) (73-22-3 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302

HYPOXANTHINE (13C5, 99%) (68-94-0 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302

L-TYROSINE (RING-13C6, 99%) (201595-63-3)	
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

THYMINE (1,3-15N2, 98%) (65-71-4 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

L-PHENYLALANINE (RING-13C6, 99%) (63-91-2 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

GUANOSINE:2H2O (15N5, 96-98%) (6010-14-6)	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

L-ALANINE (13C3, 99%; 15N, 99%) (202407-38-3)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302

ETHANOLAMINE:HCL (1,1,2,2-D4, 98%) (2002-24-6 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.

L-LEUCINE (13C6, 99%) (201740-84-3)	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

15.2. International regulations

CANADA

CREATININE (N-METHYL-D3, 98%) (143827-20-7)
Listed on the Canadian DSL (Domestic Substances List)

L-TYROSINE (RING-13C6, 99%) (201595-63-3)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

GUANOSINE:2H2O (15N5, 96-98%) (6010-14-6)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

L-ALANINE (13C3, 99%; 15N, 99%) (202407-38-3)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

L-LEUCINE (13C6, 99%) (201740-84-3)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

GUANOSINE:2H2O (15N5, 96-98%) (6010-14-6)
Listed on TECI (Thailand Existing Chemicals Inventory)

15.3. US State regulations

Metabolomics QReSS™ Standard Mix 1	
State or local regulations	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

Component	State or local regulations
CREATININE (N-METHYL-D3, 98%)(143827-20-7)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

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

Revision date	:	03/18/2024
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 H-phrases	
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Safety Data Sheet (SDS), USA

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.