



UNLABELED CARNITINE STANDARDS SET B

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: 03/07/2014

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Version: 2.1

NSK-B-US

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

1.1. Product identifier

Product form : Mixtures
Product name : UNLABELED CARNITINE STANDARDS SET B
Product code : NSK-B-US

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]

Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H335

Full text of hazard classes and H-statements : see section 16

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

Xi; R36/37/38

Full text of R-phrases: see section 16

GHS-US classification

Skin Irrit. 2 H315
Eye Irrit. 2A H319
STOT SE 3 H335

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

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Hazard statements (CLP)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (CLP)	: P261 - Avoid breathing dust, fume, gas, mist, spray, vapors P264 - Wash Both hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective clothing, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of soap and water P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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 POISON CENTER or doctor/physician if you feel unwell

GHS-US labeling

Hazard pictograms (GHS-US)



GHS07

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, spray, vapors
P264 - Wash Both hands thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective clothing, protective gloves
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 poison center/doctor/... if you feel unwell
P321 - Specific treatment (see See the emergency and first aid section of this material safety data sheet. on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362 - 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 Dispose in a safe manner in accordance with local/national regulations

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
L-CARNITINE:HCL, O-PALMITOYL UNLABELED	(CAS No) 18877-64-0 (EC No) 242-642-6	12.5	Xi; R36/37/38
L-CARNITINE:HCL, O-MYRISTOYL UNLABELED	(CAS No) 173686-73-2	12.5	Xi; R36/37/38
L-CARNITINE:HCL, O-OCTANOYL UNLABELED	(CAS No) 54377-02-5	12.5	Xi; R36/37/38
L-CARNITINE:HCL, O-ISOVALERYL UNLABELED	(CAS No) 139144-12-0	12.5	Xi; R36/37/38
L-CARNITINE:HCL, O-BUTYRYL UNLABELED	(CAS No) 162067-50-7	12.5	Xi; R36/37/38
L-CARNITINE UNLABELED	(CAS No) 541-15-1 (EC No) 208-768-0	12.5	Xi; R36/37/38
L-CARNITINE:HCL, O-ACETYL UNLABELED	(CAS No) 5080-50-2	12.5	Xi; R36/37/38

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
L-CARNITINE:HCL, O-PROPIONYL UNLABELED	(CAS No) 119793-66-7	12.5	Xi; R36/37/38

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
L-CARNITINE:HCL, O-PALMITOYL UNLABELED	(CAS No) 18877-64-0 (EC No) 242-642-6	12.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-MYRISTOYL UNLABELED	(CAS No) 173686-73-2	12.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-OCTANOYL UNLABELED	(CAS No) 54377-02-5	12.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-ISOVALERYL UNLABELED	(CAS No) 139144-12-0	12.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-BUTYRYL UNLABELED	(CAS No) 162067-50-7	12.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-CARNITINE UNLABELED	(CAS No) 541-15-1 (EC No) 208-768-0	12.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-ACETYL UNLABELED	(CAS No) 5080-50-2	12.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-PROPIONYL UNLABELED	(CAS No) 119793-66-7	12.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Name	Product identifier	%	GHS-US classification
L-CARNITINE:HCL, O-PALMITOYL UNLABELED	(CAS No) 18877-64-0	12.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-MYRISTOYL UNLABELED	(CAS No) 173686-73-2	12.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-OCTANOYL UNLABELED	(CAS No) 54377-02-5	12.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-ISOVALERYL UNLABELED	(CAS No) 139144-12-0	12.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-BUTYRYL UNLABELED	(CAS No) 162067-50-7	12.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-CARNITINE UNLABELED	(CAS No) 541-15-1	12.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-ACETYL UNLABELED	(CAS No) 5080-50-2	12.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-CARNITINE:HCL, O-PROPIONYL UNLABELED	(CAS No) 119793-66-7	12.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

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	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label).
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : Causes skin irritation.

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 : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
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 : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust/mist. Use only outdoors or in a well-ventilated area.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store refrigerated (-5 C to 5 C). Protect from light.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



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Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

The properties listed below are for the solvent, the main component of this mixture.

Physical state	: Solid
Color	: White to off-white
Odor	: Characteristic
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)	: Non flammable
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

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Two years after date of manufacture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

L-CARNITINE UNLABELED (541-15-1)

LD50 oral rat	> 5000 mg/kg
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Skin corrosion/irritation : Causes skin irritation

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Serious eye damage/irritation	: Causes serious eye irritation. Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity – single exposure	: May cause respiratory irritation.
Specific target organ toxicity – repeated exposure	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

UNLABELED CARNITINE STANDARDS SET B	
Persistence and degradability	Not established.
L-CARNITINE:HCL, O-PALMITOYL UNLABELED (18877-64-0)	
Persistence and degradability	Not available.
L-CARNITINE:HCL, O-MYRISTOYL UNLABELED (173686-73-2)	
Persistence and degradability	Not available.
L-CARNITINE:HCL, O-OCTANOYL UNLABELED (54377-02-5)	
Persistence and degradability	Not available.
L-CARNITINE:HCL, O-ISOVALERYL UNLABELED (139144-12-0)	
Persistence and degradability	Not available.
L-CARNITINE:HCL, O-BUTYRYL UNLABELED (162067-50-7)	
Persistence and degradability	Not available.
L-CARNITINE UNLABELED (541-15-1)	
Persistence and degradability	Not available.
L-CARNITINE:HCL, O-ACETYL UNLABELED (5080-50-2)	
Persistence and degradability	Not available.
L-CARNITINE:HCL, O-PROPIONYL UNLABELED (119793-66-7)	
Persistence and degradability	Not available.

12.3. Bioaccumulative potential

UNLABELED CARNITINE STANDARDS SET B	
Bioaccumulative potential	Not established.
L-CARNITINE:HCL, O-PALMITOYL UNLABELED (18877-64-0)	
Bioaccumulative potential	Not available.
L-CARNITINE:HCL, O-MYRISTOYL UNLABELED (173686-73-2)	
Bioaccumulative potential	Not available.
L-CARNITINE:HCL, O-OCTANOYL UNLABELED (54377-02-5)	
Bioaccumulative potential	Not available.
L-CARNITINE:HCL, O-BUTYRYL UNLABELED (162067-50-7)	
Bioaccumulative potential	Not available.

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L-CARNITINE UNLABELED (541-15-1)	
Bioaccumulative potential	Not available.

L-CARNITINE:HCL, O-ACETYL UNLABELED (5080-50-2)	
Bioaccumulative potential	Not available.

L-CARNITINE:HCL, O-PROPIONYL UNLABELED (119793-66-7)	
Bioaccumulative potential	Not available.

12.4. Mobility in soil

L-CARNITINE:HCL, O-PALMITOYL UNLABELED (18877-64-0)	
Ecology - soil	Not available.

L-CARNITINE:HCL, O-MYRISTOYL UNLABELED (173686-73-2)	
Ecology - soil	Not available.

L-CARNITINE:HCL, O-OCTANOYL UNLABELED (54377-02-5)	
Ecology - soil	Not available.

L-CARNITINE:HCL, O-BUTYRYL UNLABELED (162067-50-7)	
Ecology - soil	Not available.

L-CARNITINE UNLABELED (541-15-1)	
Ecology - soil	Not available.

L-CARNITINE:HCL, O-ACETYL UNLABELED (5080-50-2)	
Ecology - soil	Not available.

L-CARNITINE:HCL, O-PROPIONYL UNLABELED (119793-66-7)	
Ecology - soil	Not available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations: : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

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 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.

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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-CARNITINE:HCL, O-PALMITOYL UNLABELED (18877-64-0)

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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L-CARNITINE:HCL, O-ISOVALERYL UNLABELED (139144-12-0)

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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L-CARNITINE UNLABELED (541-15-1)

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
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L-CARNITINE:HCL, O-ACETYL UNLABELED (5080-50-2)

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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15.2. International regulations

CANADA

No additional information available

15.2.1. National regulations

No additional information available

15.3. US State regulations

UNLABELED CARNITINE STANDARDS SET B()

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

L-CARNITINE:HCL, O-PALMITOYL UNLABELED (18877-64-0)

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-CARNITINE:HCL, O-MYRISTOYL UNLABELED (173686-73-2)

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-CARNITINE:HCL, O-OCTANOYL UNLABELED (54377-02-5)

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-CARNITINE:HCL, O-ISOVALERYL UNLABELED (139144-12-0)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity -	U.S. - California - Proposition 65 - Reproductive Toxicity -	No significant risk level (NSRL)
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L-CARNITINE:HCL, O-ISOVALERYL UNLABELED (139144-12-0)				
		Female	Male	
No	No	No	No	
L-CARNITINE:HCL, O-BUTYRYL UNLABELED (162067-50-7)				
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-CARNITINE UNLABELED (541-15-1)				
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-CARNITINE:HCL, O-ACETYL UNLABELED (5080-50-2)				
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-CARNITINE:HCL, O-PROPIONYL UNLABELED (119793-66-7)				
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-CARNITINE:HCL, O-PALMITOYL UNLABELED (18877-64-0)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
L-CARNITINE:HCL, O-MYRISTOYL UNLABELED (173686-73-2)				
State or local regulations				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List				
L-CARNITINE:HCL, O-OCTANOYL UNLABELED (54377-02-5)				
State or local regulations				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List				
L-CARNITINE:HCL, O-ISOVALERYL UNLABELED (139144-12-0)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
L-CARNITINE:HCL, O-BUTYRYL UNLABELED (162067-50-7)				
State or local regulations				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List				
L-CARNITINE UNLABELED (541-15-1)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.				

UNLABELED CARNITINE STANDARDS SET B NSK-B-US

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-CARNITINE:HCL, O-ACETYL UNLABELED (5080-50-2)
State or local regulations
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
L-CARNITINE:HCL, O-PROPIONYL UNLABELED (119793-66-7)
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

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

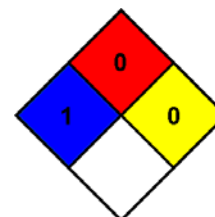
Full text of R-, H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
R36/37/38	Irritating to eyes, respiratory system and skin
Xi	Irritant

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

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 : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

CIL Mixture SDS

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