



METABOLOMICS AMINO ACID MIX UNLABELED STANDARD

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/06/2015

Revision date:

Version: 1.0

MSK-A2-US-S

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

1.1. Product identifier

Product form : Mixtures
Product name : METABOLOMICS AMINO ACID MIX UNLABELED STANDARD
Product code : MSK-A2-US-S

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

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
Skin Sens. 1 H317

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/37/38

Full text of R-phrases: see section 16

Classification (GHS-US)

Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317

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

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hazardous ingredients	: L-LYSINE:2HCL UNLABELED
Hazard statements (CLP)	: H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation
Precautionary statements (CLP)	: P261 - Avoid breathing dust, mist P264 - Wash both hands thoroughly after handling P272 - Contaminated work clothing should not be allowed out of the workplace P280 - Wear eye protection, face protection, protective clothing, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of water/... P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P332+P313 - If skin irritation occurs: Get medical advice/attention P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

GHS-US labeling

Hazard pictograms (GHS-US)



GHS07

Signal word (GHS-US)

: Warning

Hazard statements (GHS-US)

: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements (GHS-US)

: P261 - Avoid breathing dust, mist
P264 - Wash Both hands thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P321 - Specific treatment (see Hazard pictograms (CLP) on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P362+P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/container to Comply with applicable 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-HISTIDINE:HCL:H2O UNLABELED	(CAS No) 71-00-1 (EC no) 200-745-3	8.938	Not classified
L-LYSINE:2HCL UNLABELED	(CAS No) 657-26-1 (Unlabeled) (EC no) 211-518-3	7.787	Not classified
L-TYROSINE UNLABELED	(CAS No) 60-18-4 (Unlabeled) (EC no) 200-460-4	7.726	Xi; R36/37/38
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2 (EC no) 214-275-1	7.427	Xi; R36/38
L-PHENYLALANINE UNLABELED	(CAS No) 63-91-2 (Unlabeled) (EC no) 200-568-1	7.044	Not classified
L-METHIONINE UNLABELED	(CAS No) 63-68-3 (Unlabeled)	6.361	Not classified
L-GLUTAMIC ACID UNLABELED	(CAS No) 56-86-0 (unlabeled) (EC no) 200-293-7	6.273	Not classified
L-ASPARTIC ACID UNLABELED	(CAS No) 56-84-8 (EC no) 200-291-6	5.676	Not classified
L-LEUCINE UNLABELED	(CAS No) 61-90-5 (Unlabeled) (EC no) 200-522-0	5.592	Not classified

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	Classification according to Directive 67/548/EEC
L-ISOLEUCINE UNLABELED	(CAS No) 73-32-5 (unlabeled) (EC no) 200-798-2	5.592	Not classified
L-CYSTINE UNLABELED	(CAS No) 56-89-3 (EC no) 200-296-3	5.123	Not classified
L-THREONINE UNLABELED	(CAS No) 72-19-5 (EC no) 200-774-1	5.079	Not classified
L-VALINE UNLABELED	(CAS No) 72-18-4 (EC no) 200-773-6	4.995	Not classified
L-PROLINE UNLABELED	(CAS No) 147-85-3 (EC no) 205-702-2	4.908	Not classified
DL-SERINE UNLABELED	(CAS No) 302-84-1 (unlabeled) (EC no) 206-130-6	4.48	Not classified
L-ALANINE UNLABELED	(CAS No) 56-41-7 (EC no) 200-273-8	3.798	Not classified
GLYCINE UNLABELED	(CAS No) 56-40-6	3.201	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
L-HISTIDINE:HCL:H2O UNLABELED	(CAS No) 71-00-1 (EC no) 200-745-3	8.938	Not classified
L-LYSINE:2HCL UNLABELED	(CAS No) 657-26-1 (Unlabeled) (EC no) 211-518-3	7.787	Skin Sens. 1B, H317
L-TYROSINE UNLABELED	(CAS No) 60-18-4 (Unlabeled) (EC no) 200-460-4	7.726	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2 (EC no) 214-275-1	7.427	Skin Irrit. 2, H315 Eye Irrit. 2, H319
L-PHENYLALANINE UNLABELED	(CAS No) 63-91-2 (Unlabeled) (EC no) 200-568-1	7.044	Not classified
L-METHIONINE UNLABELED	(CAS No) 63-68-3 (Unlabeled)	6.361	Not classified
L-GLUTAMIC ACID UNLABELED	(CAS No) 56-86-0 (unlabeled) (EC no) 200-293-7	6.273	Not classified
L-ASPARTIC ACID UNLABELED	(CAS No) 56-84-8 (EC no) 200-291-6	5.676	Not classified
L-LEUCINE UNLABELED	(CAS No) 61-90-5 (Unlabeled) (EC no) 200-522-0	5.592	Not classified
L-ISOLEUCINE UNLABELED	(CAS No) 73-32-5 (unlabeled) (EC no) 200-798-2	5.592	Not classified
L-CYSTINE UNLABELED	(CAS No) 56-89-3 (EC no) 200-296-3	5.123	Not classified
L-THREONINE UNLABELED	(CAS No) 72-19-5 (EC no) 200-774-1	5.079	Not classified
L-VALINE UNLABELED	(CAS No) 72-18-4 (EC no) 200-773-6	4.995	Not classified
L-PROLINE UNLABELED	(CAS No) 147-85-3 (EC no) 205-702-2	4.908	Not classified
DL-SERINE UNLABELED	(CAS No) 302-84-1 (unlabeled) (EC no) 206-130-6	4.48	Not classified
L-ALANINE UNLABELED	(CAS No) 56-41-7 (EC no) 200-273-8	3.798	Not classified
GLYCINE UNLABELED	(CAS No) 56-40-6	3.201	Not classified

Name	Product identifier	%	Classification (GHS-US)
L-LYSINE:2HCL UNLABELED	(CAS No) 657-26-1 (Unlabeled)	7.787	Skin Sens. 1B, H317
L-TYROSINE UNLABELED	(CAS No) 60-18-4 (Unlabeled)	7.726	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
L-ARGININE:HCL UNLABELED	(CAS No) 1119-34-2	7.427	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Flush eyes with water as a precaution.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth with water.

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed and enters airways.

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 : Alcohol resistant foam. Dry chemical. Carbon dioxide. Water spray.

5.2. Special hazards arising from the substance or mixture

Reactivity : Not available.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

None.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

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

7.2. Conditions for safe storage, including any incompatibilities

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

Storage conditions : Store refrigerated (-5 C to 5 C). Protect from light.

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 : Safety glasses. Gloves. Respiratory protection of the dependent type. Protective clothing.



Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Chemical goggles or safety glasses.

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Skin and body protection : Wear suitable protective clothing.
Respiratory protection : When appropriate, use NIOSH/CEN approved respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : No data available
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
Self 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
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not available.

10.2. Chemical stability

Stable if stored under recommended conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Not available.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

GLYCINE UNLABELED (56-40-6)

LD50 oral rat	7930 mg/kg
ATE (oral)	7930.000 mg/kg body weight

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

LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	5000 mg/kg

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

L-ASPARTIC ACID UNLABELED (56-84-8)	
ATE (oral)	5000.000 mg/kg body weight
ATE (dermal)	5000.000 mg/kg body weight
L-GLUTAMIC ACID UNLABELED (56-86-0 (unlabeled))	
LD50 oral rat	> 30000 mg/kg
L-METHIONINE UNLABELED (63-68-3 (Unlabeled))	
LD50 oral rat	36000 mg/kg
ATE (oral)	36000.000 mg/kg body weight
L-ARGININE:HCL UNLABELED (1119-34-2)	
LD50 oral rat	12000 mg/kg
ATE (oral)	12000.000 mg/kg body weight
L-HISTIDINE:HCL:H2O UNLABELED (71-00-1)	
LD50 oral rat	15000 mg/kg
ATE (oral)	15000.000 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
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
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

GLYCINE UNLABELED (56-40-6)	
Persistence and degradability	Not available.
L-ALANINE UNLABELED (56-41-7)	
Persistence and degradability	Not available.
L-ASPARTIC ACID UNLABELED (56-84-8)	
Persistence and degradability	Not available.
L-GLUTAMIC ACID UNLABELED (56-86-0 (unlabeled))	
Persistence and degradability	Not available.
L-VALINE UNLABELED (72-18-4)	
Persistence and degradability	Not available.
L-LEUCINE UNLABELED (61-90-5 (Unlabeled))	
Persistence and degradability	Not available.
L-PHENYLALANINE UNLABELED (63-91-2 (Unlabeled))	
Persistence and degradability	Not available.
L-METHIONINE UNLABELED (63-68-3 (Unlabeled))	
Persistence and degradability	Not available.

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

L-TYROSINE UNLABELED (60-18-4 (Unlabeled))	
Persistence and degradability	Not available.

L-LYSINE:2HCL UNLABELED (657-26-1 (Unlabeled))	
Persistence and degradability	Not available.

L-ISOLEUCINE UNLABELED (73-32-5 (unlabeled))	
Persistence and degradability	Not available.

L-PROLINE UNLABELED (147-85-3)	
Persistence and degradability	Not available.

DL-SERINE UNLABELED (302-84-1 (unlabeled))	
Persistence and degradability	Not available.

L-THREONINE UNLABELED (72-19-5)	
Persistence and degradability	Not available.

12.3. Bioaccumulative potential

GLYCINE UNLABELED (56-40-6)	
Bioaccumulative potential	Not available.

L-ALANINE UNLABELED (56-41-7)	
Bioaccumulative potential	Not available.

L-ASPARTIC ACID UNLABELED (56-84-8)	
Bioaccumulative potential	Not available.

L-GLUTAMIC ACID UNLABELED (56-86-0 (unlabeled))	
Bioaccumulative potential	Not available.

L-VALINE UNLABELED (72-18-4)	
Bioaccumulative potential	Not available.

L-LEUCINE UNLABELED (61-90-5 (Unlabeled))	
Bioaccumulative potential	Not available.

L-PHENYLALANINE UNLABELED (63-91-2 (Unlabeled))	
Bioaccumulative potential	Not available.

L-METHIONINE UNLABELED (63-68-3 (Unlabeled))	
Bioaccumulative potential	Not available.

L-ARGININE:HCL UNLABELED (1119-34-2)	
Bioaccumulative potential	Not available.

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

L-LYSINE:2HCL UNLABELED (657-26-1 (Unlabeled))	
Bioaccumulative potential	Not available.

L-ISOLEUCINE UNLABELED (73-32-5 (unlabeled))	
Bioaccumulative potential	Not available.

L-PROLINE UNLABELED (147-85-3)	
Bioaccumulative potential	Not available.

DL-SERINE UNLABELED (302-84-1 (unlabeled))	
Bioaccumulative potential	Not available.

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

12.4. Mobility in soil

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

GLYCINE UNLABELED (56-40-6)	
Ecology - soil	Not available.
L-ALANINE UNLABELED (56-41-7)	
Ecology - soil	Not available.
L-ASPARTIC ACID UNLABELED (56-84-8)	
Ecology - soil	Not available.
L-GLUTAMIC ACID UNLABELED (56-86-0 (unlabeled))	
Ecology - soil	Not available.
L-VALINE UNLABELED (72-18-4)	
Ecology - soil	Not available.
L-LEUCINE UNLABELED (61-90-5 (Unlabeled))	
Ecology - soil	Not available.
L-PHENYLALANINE UNLABELED (63-91-2 (Unlabeled))	
Ecology - soil	Not available.
L-METHIONINE UNLABELED (63-68-3 (Unlabeled))	
Ecology - soil	Not available.
L-ARGININE:HCL UNLABELED (1119-34-2)	
Ecology - soil	Not available.
L-TYROSINE UNLABELED (60-18-4 (Unlabeled))	
Ecology - soil	Not available.
L-LYSINE:2HCL UNLABELED (657-26-1 (Unlabeled))	
Ecology - soil	Not available.
L-ISOLEUCINE UNLABELED (73-32-5 (unlabeled))	
Ecology - soil	Not available.
L-PROLINE UNLABELED (147-85-3)	
Ecology - soil	Not available.
DL-SERINE UNLABELED (302-84-1 (unlabeled))	
Ecology - soil	Not available.
L-THREONINE UNLABELED (72-19-5)	
Ecology - soil	Not available.

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

Waste treatment methods : Offer surplus and non-recyclable solutions to a licensed disposal company.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of as unused product.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

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 : DOT/IMDG/IATA: Not dangerous goods.

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and 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 : DOT/IMDG/IATA: Not dangerous goods.

14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
-------------------------------------	---------------------------------

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

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
-------------------------------------	---------------------------------

15.2. International regulations

CANADA

No additional information available

15.2.1. National regulations

No additional information available

15.3. US State regulations

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

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.

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

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.

L-LYSINE:2HCL UNLABELED (657-26-1 (Unlabeled))

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.

METABOLOMICS AMINO ACID MIX UNLABELED STANDARD MSK-A2-US-S

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

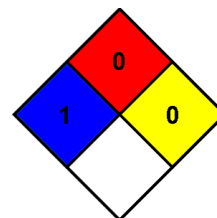
SECTION 16: Other information

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
Skin Sens. 1B	Skin sensitization Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
Xi	Irritant

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard : 0 - Materials that will not burn.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible
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