

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 8.7

Revision Date 20.02.2025

Print Date 04.05.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

1.1 Product identifiers

Product name : Amino Acid Peptide Metabolite Library Of Standards Plate 1 (Water Soluble)

Product Number : AAPMLS01

Brand : Sigma

REACH No. :

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

Identified uses : Laboratory chemicals, Manufacture of substances

Uses advised against : For R&D use only. Not for pharmaceutical, household or other uses.

1.3

CHEMIKART

1.4 Emergency telephone

Emergency Phone # : 000 800 1007 141 (CHEMTREC)

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Acute toxicity, (Category 4) H302: Harmful if swallowed.

Skin irritation, (Category 2) H315: Causes skin irritation.

Serious eye damage, (Category 1) H318: Causes serious eye damage.

Specific target organ toxicity - single exposure, (Category 3), Respiratory system H335: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure, (Category 1), Thyroid, Cardio-vascular system, Kidney

H372: Causes damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram

Signal Word	Danger
Hazard Statements	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H372	Causes damage to organs (Thyroid, Cardio-vascular system, Kidney) through prolonged or repeated exposure.
Precautionary Statements	
P260	Do not breathe mist or vapors.
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
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.
P314	Get medical advice/ attention if you feel unwell.
Supplemental Hazard Statements	none

Reduced Labeling (<= 125 ml)

Pictogram

Signal Word	Danger
Hazard Statements	
H372	Causes damage to organs through prolonged or repeated exposure.
H318	Causes serious eye damage.
Precautionary Statements	
P260	Do not breathe mist or vapors.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/ attention if you feel unwell.
Supplemental Hazard Statements	none

2.3 Other hazards - none

SECTION 3: Composition/information on ingredients

Refer to component SDS

SECTION 4: First aid measures

Refer to component SDS

SECTION 5: Firefighting measures

Refer to component SDS

SECTION 6: Accidental release measures

Refer to component SDS

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities**Storage conditions**

Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Storage stability Recommended storage temperature
-20 °C

Storage class

Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

Refer to component SDS

SECTION 9: Physical and chemical properties

Refer to component SDS

SECTION 10: Stability and reactivity

Refer to component SDS

SECTION 11: Toxicological information

Refer to component SDS

SECTION 12: Ecological information

Refer to component SDS

SECTION 13: Disposal considerations

Refer to component SDS

SECTION 14: Transport information**14.1 UN number**

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

Further information

Not classified as dangerous in the meaning of transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Refer to component SDS

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Kit Components:

DL-β-Leucine	Aldrich	17988	
3-Hydroxypicolinic acid	Sigma-Aldrich	56197	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
4-ACETAMIDOBUTYRIC ACID	Aldrich	S458368	Eye Irrit. 2; H319
2-Phenylglycine	Aldrich	P25507	
3-Methylcrotonyl Glycine			
N-(2-Methylbutyryl)glycine	Sigma-Aldrich	04478	Skin Irrit. 2; Eye Irrit. 2; H315, H319
Indole-2-carboxylic acid	Aldrich	I5109	
1-Methyl-L-histidine	Aldrich	67520	
N-Acetylleucine			
L-ALANYL-L-VALINE			
L-ALANYL-L-ISOLEUCINE			
Ala-Asp			
2,3-Diaminopropionic acid			
trans-4-Hydroxy-L-proline	Sigma	H3656	
L-ALANYLGLYCINE			
L-ALANYL-L-ALANINE			
(4R)-4-Hydroxy-L-glutamic acid	Sigma	76157	
3-Methyl-L-histidine	Sigma	M9005	
Gly-Val	Sigma	G4127	Eye Dam. 1; H318
Gly-DL-Asn			
L-ALANYLGLYCYLGLYCINE			
Ala-His	Sigma	A1503	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
5-Methoxytryptophan			
3,3',5-Triiodo-L-thyronine	Aldrich	564605	STOT RE 1; H372
Aminomalonic acid			
N-Butyrylglycine	Sigma-Aldrich	94274	Skin Irrit. 2; Eye Irrit. 2; H315, H319
N-(2-Furoyl)glycine	Aldrich	407143	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Allantoic acid	Aldrich	A7753	
Ala-Pro hydrate	Sigma-Aldrich	05370	
Ala-Thr	Sigma	A3628	
α-Hydroxyhippuric acid	Aldrich	223875	
Ala-Leu	Sigma	A1878	
L-Anserine	No Brand	AMBH324A54B	
L-ALANYL-L-TYROSINE			

Asp-Lys acetate salt			
Biocytin			
D-2-Aminobutyric acid	Aldrich	116122	
3-Guanidinopropionic acid	Sigma	G6878	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
D-Ala-D-Ala	Sigma	A0912	
Cys-Gly	Sigma	C0166	Acute Tox. 4; Eye Irrit. 2; H302, H319
3-Amino-3-(4-hydroxy-phenyl)-propionic acid	Aldrich	S26787	
N-Glutaryl glycine	Sigma-Aldrich	53795	Eye Irrit. 2; H319
L-cysteine S-sulfate	Sigma	C2196	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Glycyl-Glutamine			
Ala-Glu	Sigma	A0378	
β-Asp-Leu	Sigma	A6291	
Ala-Trp			
Arginyl-Phenylalanine			
4-Amino-3-hydroxybutyric acid	Aldrich	A56655	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Formiminoglutamic acid			
DL-o-Tyrosine	Sigma	T3504	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Gly-Ile			
D,L DOPA	Supelco	R770030	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Gamma-Glutamylglycine			
γ-L-Glutamyl-L-alanine	Aldrich	483834	
Ala-Met			
γ-Glu-Glu	Sigma	G5267	
Asp-Phe	Aldrich	421669	
Endomorphin 2	Sigma	E3148	
Tyr-Tyr-Tyr	Sigma	T2007	
N,N-Dimethylglycine	Sigma	D1156	
γ-Glu-ε-Lys	Sigma	G5136	
Gly-Gly	Sigma	50199	
DL-2-Aminocaprylic acid	Aldrich	217700	
L-Glutamic acid 5-methyl ester	Aldrich	858269	
N-GLYCYL-L-PROLINE - 50 MG	Aldrich	S765597	Eye Irrit. 2; H319
Gly-Leu	Sigma	G2002	
Gly-DL-Asp	Sigma	G2754	
Glycyl-L-glutamic acid			
Isoleucyl-Leucine			
γ-Glu-Leu			
Gamma-glutamylhistidine			
Guanidineacetic acid	Aldrich	G11608	
L-allo-Isoleucine	Sigma	I8754	
Glycyl-D,L-serine	Aldrich	S350265	Eye Dam. 1; STOT SE 3; H318, H335
N-Hexanoylglycine	Sigma-Aldrich	93544	Skin Irrit. 2; Eye Irrit. 2; H315, H319
Gly-DL-Thr			

Nicotinuric acid	Sigma	N4751
H-HoArg-OH	No Brand	ARK379290004
Ala-Gln	Sigma	A8185
Histidiny-Alanine		
Gly-Tyr	Sigma	G3502
Histidiny-Isoleucine		
Histidiny-Valine		

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Classification of the mixture

Acute Tox.4	H302
Skin Irrit.2	H315
Eye Dam.1	H318
STOT SE3	H335
STOT RE1	H372

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

Further information

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture

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CHEMIKART

Kit Components:

DL- β -Leucine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 17988					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

3-Hydroxypicolinic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 56197		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	

4-ACETAMIDOBUTYRIC ACID					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - S458368		Warning	Causes serious eye irritation.	Wash skin thoroughly after handling. IF IN EYES: Rinse	

				cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention.	
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2-Phenylglycine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - P25507					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

3-Methylcrotonyl Glycine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

N-(2-Methylbutyryl)glycine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 04478		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. Wear protective gloves/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes.	

				Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.	
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Indole-2-carboxylic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - I5109					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

1-Methyl-L-histidine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 67520					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

N-Acetyl-leucine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information

L-ALANYL-L-VALINE

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

L-ALANYL-L-ISOLEUCINE					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Ala-Asp					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2,3-Diaminopropionic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

trans-4-Hydroxy-L-proline					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - H3656					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

L-ALANYLGLYCINE					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

L-ALANYL-L-ALANINE					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

(4R)-4-Hydroxy-L-glutamic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - 76157					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

3-Methyl-L-histidine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - M9005					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Gly-Val					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G4127		Danger	Causes serious eye damage.	Wear eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	

Gly-DL-Asn					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

L-ALANYLGLYCYLGLYCINE					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Ala-His					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A1503		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	

5-Methoxytryptophan					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to

					Regulation (EC) No 1272/2008.
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3,3',5-Triiodo-L-thyronine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 564605		Danger	Causes damage to organs (Thyroid, Cardio-vascular system, Kidney) through prolonged or repeated exposure.	Do not breathe dust. Get medical advice/ attention if you feel unwell. Dispose of contents/ container to an approved waste disposal plant. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.	

Aminomalonic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

N-Butyrylglycine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 94274		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. Wear protective gloves/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.	

				Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.	
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<i>N</i> -(2-Furoyl)glycine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 407143		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	

Allantoic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - A7753					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Ala-Pro hydrate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich					No hazard

- 05370					pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.
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Ala-Thr					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A3628					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

α-Hydroxyhippuric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 223875					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Ala-Leu					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A1878					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

L-Anserine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
No Brand - AMBH324A54 BB					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

L-ALANYL-L-TYROSINE					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Asp-Lys acetate salt					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information

Biocytin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture.

D-2-Aminobutyric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 116122					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

3-Guanidinopropionic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G6878		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use	

				only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	
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D-Ala-D-Ala					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A0912					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Cys-Gly					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - C0166		Warning	Harmful if swallowed. Causes serious eye irritation.	Wash skin thoroughly after handling. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Dispose of contents/ container to an approved waste disposal plant. Wear eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.	

3-Amino-3-(4-hydroxy-phenyl)-propionic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - S26787					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

N-Glutaryl glycine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 53795		Warning	Causes serious eye irritation.	Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention.	

L-cysteine S-sulfate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - C2196		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use	

				only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	
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Glycyl-Glutamine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Ala-Glu

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A0378					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

β-Asp-Leu

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A6291					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Ala-Trp

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Arginyl-Phenylalanine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

4-Amino-3-hydroxybutyric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - A56655		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	

Formiminoglutamic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

DL-o-Tyrosine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - T3504		Warning	Causes skin irritation. Causes serious eye irritation.	Avoid breathing dust. IF ON SKIN: Wash with plenty of	

			May cause respiratory irritation.	water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	
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Gly-Ile

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information

D,L DOPA

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - R770030		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF ON SKIN: Wash with plenty of water. Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.	

Gamma-Glutamylglycine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

γ-L-Glutamyl-L-alanine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 483834					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Ala-Met					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information

γ-Glu-Glu					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G5267					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Asp-Phe					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 421669					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Endomorphin 2					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - E3148					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Tyr-Tyr-Tyr					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - T2007					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

N,N-Dimethylglycine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - D1156					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

γ-Glu-ε-Lys					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G5136					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Gly-Gly					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - 50199					No hazard pictogram, no signal word, no hazard

					statement(s), no precautionary statement(s) required.
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DL-2-Aminocaprylic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 217700					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

L-Glutamic acid 5-methyl ester

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 858269					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

N-GLYCYL-L-PROLINE - 50 MG

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - S765597		Warning	Causes serious eye irritation.	Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention.	

Gly-Leu					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G2002					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Gly-DL-Asp					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G2754					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Glycyl-L-glutamic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Isoleucyl-Leucine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

γ-Glu-Leu					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information

Gamma-glutamylhistidine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or

					mixture according to Regulation (EC) No 1272/2008.
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Guanidineacetic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - G11608					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

L-allo-Isoleucine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - I8754					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Glycyl-D,L-serine Glycyl-D,L-Serine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - S350265		Danger	Causes serious eye damage. May cause respiratory irritation.	Avoid breathing dust. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Use only outdoors or in a well-ventilated area. IF IN EYES: Rinse cautiously with water for several minutes.	

				Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye protection/ face protection.	
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N-Hexanoylglycine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 93544		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. Wear protective gloves/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.	

Gly-DL-Thr

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Nicotinuric acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma -					No hazard

N4751					pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.
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H-HoArg-OH

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
No Brand - ARK379290004					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Ala-Gln

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A8185					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

HistidinyI-Alanine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Gly-Tyr

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G3502					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Histidinyl-Isoleucine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Histidinyl-Valine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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