

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 9.3

Revision Date 08.02.2024

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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 : Organic Acid Metabolite Library of Standards

Product Number : OAMLS

Brand : Sigma

REACH No. : This product is a mixture. REACH Registration Number see section 3.

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 Details of the supplier of the safety data sheet

Company :

1.4 Emergency telephone

Emergency Phone # : +(44)-870-8200418 (CHEMTREC (GB))
+(353)-19014670 (CHEMTREC Ireland)
001-803-017-9114 (CHEMTREC India)

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 3) H301: Toxic if swallowed.

Acute toxicity, (Category 4) H332: Harmful if inhaled.

Acute toxicity, (Category 4) H312: Harmful in contact with skin.

Skin corrosion, (Sub-category 1A) H314: Causes severe skin burns and eye damage.



Serious eye damage, (Category 1)	H318: Causes serious eye damage.
Skin sensitization, (Category 1)	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, (Category 3), Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, (Category 1), Lungs	H372: Causes damage to organs through prolonged or repeated exposure if inhaled.
Long-term (chronic) aquatic hazard, (Category 3)	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal Word

Danger

Hazard Statements

H301	Toxic if swallowed.
H312 + H332	Harmful in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H372	Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
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

H301

Toxic if swallowed.

H317

May cause an allergic skin reaction.

H372

Causes damage to organs through prolonged or repeated exposure if inhaled.

H314

Causes severe skin burns and eye damage.

H412

Harmful to aquatic life with long lasting effects.

Precautionary Statements

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303 + P361 + P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P310

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

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: 3316

IMDG: 3316

IATA: 3316

14.2 UN proper shipping name

ADR/RID: CHEMICAL KIT

IMDG: CHEMICAL KIT

IATA: Chemical kit

14.3 Transport hazard class(es)

ADR/RID: 9

IMDG: 9

IATA: 9

14.4 Packaging group

ADR/RID: II

IMDG: II

IATA: II

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

Further information : No data available

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:**

2-Hydroxyisocaproic acid

L-?-Hydroxyglutaric acid
disodium salt

L-(+)-Tartaric acid

2-Hydroxyphenylacetic
acid

N-(2-
Methylbutyryl)glycine

Disodium (2RS)-2-
hydroxyadipate

Eye Dam. 1; H318

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

Skin Irrit. 2; Eye Irrit. 2; H315,
H319

Sigma- OAMLS

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The life science business of Merck operates as MilliporeSigma in the US and
Canada



3-(4-Hydroxyphenyl)propionic acid
(E)-2-Octenedioic Acid
2-Isopropylmalic acid
Indole-3-butyric acid

Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H301, H315, H319, H335

Trisodium 2-methylcitrate, racemic mixture of diastereomers
Phytic acid sodium salt hydrate
2-Oxobutyric acid

Acute Tox. 4; H302

Skin Corr. 1B; Eye Dam. 1; H314

(R)-3-Hydroxybutyric acid
4-Methyl-2-oxovaleric acid
Oxaloacetic acid
?-Ketoglutaric acid
2-Oxoadipic acid

Skin Corr. 1B; H314

Eye Irrit. 2; H319
Eye Dam. 1; H318
Skin Irrit. 2; Eye Irrit. 2; H315, H319

3-Hydroxy-3-methylglutaric acid
3-Hydroxymandelic acid
Tricarballic acid

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

?(m-Hydroxyphenyl)hydracrylic Acid
Indole-3-propionic acid
DL-Vanillactic acid lithium salt hydrate
?-Aminobutyric acid
3-Hydroxy-2-methylbutanoic Acid
3-Methylglutaric acid
3-Hydroxyglutaric acid
m-Tolylacetic acid
3-Methylcrotonyl Glycine
3-Methyladipic acid

Skin Irrit. 2; Eye Irrit. 2; H315, H319

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

3-Propylmalic acid
3-Hydroxysuberic Acid
DL-4-Hydroxy-3-methoxymandelic acid
3-Hydroxy Sebacic Acid

Skin Irrit. 2; Eye Irrit. 2; H315, H319

4-Hydroxyhippuric Acid
Lithium acetoacetate
L-2-Aminobutyric acid

Skin Sens. 1; H317

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The life science business of Merck operates as MilliporeSigma in the US and Canada



<p>?-Keto Isovaleric Acid Sodium Salt 2-Hydroxy-3- methylbutyric acid L-Pyroglutamic acid</p>	<p>Acute Tox. 4; H302 Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335 Eye Dam. 1; Aquatic Chronic 3; H318, H412</p>
<p>5-Aminolevulinic Acid Hydrochloride Salt (2S,5R)-trans-5- Hydroxypiperidine-2- carboxylic acid 4-Hydroxyphenylacetic acid Allantoin 4-Pyridoxolactone</p>	<p>Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335 Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335 Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335</p>
<p>cis-Aconitic acid</p>	<p>Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335</p>
<p>Xanthurenic acid Fumaric acid Benzoic acid</p>	<p>Eye Irrit. 2; H319 Skin Irrit. 2; Eye Dam. 1; STOT RE 1; H315, H318, H372 Acute Tox. 4; H302 Skin Corr. 1A; Eye Dam. 1; H314 Eye Dam. 1; H318 Eye Irrit. 2; H319</p>
<p>Citraconic acid Glutaric acid</p>	<p>Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335</p>
<p>Adipic acid 2,5-Furandicarboxylic acid L-Dihydroorotic acid</p>	<p>Eye Irrit. 2; H319 Skin Irrit. 2; Eye Dam. 1; STOT RE 1; H315, H318, H372 Acute Tox. 4; H302 Skin Corr. 1A; Eye Dam. 1; H314 Eye Dam. 1; H318 Eye Irrit. 2; H319</p>
<p>L-Ascorbic acid Hippuric acid Citric acid</p>	<p>Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335</p>
<p>N-(CINNAMOYL)GLYCINE L-Argininosuccinic acid lithium salt Maleic acid</p>	<p>Eye Irrit. 2; STOT SE 3; H319, H335 Acute Tox. 4; H302</p>
<p>Indole-3-carboxaldehyde Indole-3-carboxylic acid 3,4- Dihydroxyphenylacetic acid Gallic acid</p>	<p>Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Skin Sens. 1; STOT SE 3; H302 + H312, H315, H317, H318, H335</p>
<p>3-Indoleacetic acid 3-Indoleacrylic acid</p>	<p>Skin Irrit. 2; Eye Irrit. 2; H315, H319</p>
<p>Kynurenic acid</p>	<p>Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335 Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335</p>



DL-Isocitric acid trisodium salt hydrate Indole-3-pyruvic acid	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
DL-Indole-3-lactic acid Prephenic acid barium salt Methylmalonic acid	Acute Tox. 4; H302 + H332
Pipecolic acid	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
(±)-Mevalonolactone L-(?)-Malic acid	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Phenylacetic acid (RS)-Mevalonic acid lithium salt Orotic acid	Skin Irrit. 2; Eye Irrit. 2; H315, H319 Eye Irrit. 2; H319
Phenylpyruvic acid D-(+)-3-Phenyllactic acid N-Acetyl-L-aspartic acid (?) Quinic acid N-Acetyl-L-tyrosine Sodium (R)-?- hydroxyisobutyrate Succinic acid Glutaconic acid 2-Hydroxy-3- methylvaleric acid 4-Imidazoleacrylic acid 2-Furanacetic acid	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335
Tiglyl Glycine 4,6-Dioxoheptanoic acid 3-Hydroxyhexanedioic Acid 2,3-Pyridinedicarboxylic acid 4-Hydroxyphenylpyruvic acid DL-p- Hydroxyphenyllactic Acid	Eye Irrit. 2; H319
	Eye Dam. 1; H318
	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H302, H315, H318, H335
	Eye Irrit. 2; STOT SE 3; H319, H335



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.3	H301
Acute Tox.4	H332
Acute Tox.4	H312
Skin Corr.1A	H314
Eye Dam.1	H318
Skin Sens.1	H317
STOT SE3	H335
STOT RE1	H372
Aquatic Chronic3	H412

Classification procedure:

Calculation method



Further information

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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 and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Kit Components:

2-Hydroxyisocaproic 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.

L-?-Hydroxyglutaric acid disodium salt					
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-(+)-Tartaric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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.	

2-Hydroxyphenylacetic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious	Avoid breathing dust/ fume/ gas/ mist/	



			eye irritation. May cause respiratory irritation.	vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	
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N-(2-Methylbutyryl)glycine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. If skin irritation occurs: Get medical advice/ attention. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	



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

3-(4-Hydroxyphenyl)propionic 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.

(E)-2-Octenedioic 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.

2-Isopropylmalic 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.

Indole-3-butyric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Toxic if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF SWALLOWED: Immediately call a POISON CENTER/ doctor.	



			irritation.	Rinse mouth. Wash skin thoroughly after handling. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wear eye protection/ face protection. Wear protective gloves.	
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Trisodium 2-methylcitrate, racemic mixture of diastereomers

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

Phytic acid sodium salt hydrate

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Harmful if swallowed.	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. Do not eat, drink or smoke when using this product.	



2-Oxobutyric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Causes severe skin burns and 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. Immediately call a POISON CENTER/ doctor.	

(R)-3-Hydroxybutyric 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.

4-Methyl-2-oxovaleric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Causes severe skin burns and eye damage.		

Oxaloacetic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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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?-Ketoglutaric acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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. Immediately call a POISON CENTER/ doctor.	

2-Oxoadipic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. If skin irritation occurs: Get medical advice/ attention. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and	



				wash it before reuse.	
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3-Hydroxy-3-methylglutaric 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.

3-Hydroxymandelic 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.

Tricarballic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	



?-(m-Hydroxyphenyl)hydracrylic 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.

Indole-3-propionic 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-Vanillic acid lithium salt hydrate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

?-Aminobutyric 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.

3-Hydroxy-2-methylbutanoic Acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. If skin irritation occurs: Get medical advice/attention.	



				Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	
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3-Methylglutaric 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.

3-Hydroxyglutaric 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.

m-Tolylacetic 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.

3-Methylcrotonyl Glycine

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



3-Methyladipic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	

3-Propylmalic 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.

3-Hydroxysuberic 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-4-Hydroxy-3-methoxymandelic 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.

3-Hydroxy Sebacic Acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. If skin irritation occurs: Get medical advice/ attention. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	

4-Hydroxyhippuric 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.

Lithium acetoacetate					
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-2-Aminobutyric acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	May cause an allergic skin reaction.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Dispose of contents/ container to an approved waste disposal plant. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse. Wear protective gloves.	

?-Keto Isovaleric Acid Sodium Salt

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Harmful if swallowed.	Wash skin thoroughly after handling. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. Dispose of contents/ container to an approved waste disposal plant. Do not eat, drink or smoke	



				when using this product.	
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2-Hydroxy-3-methylbutyric acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	

L-Pyroglutamic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Causes serious eye damage. Harmful to aquatic life with long lasting effects.	Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Dispose of contents/ container to an approved waste	



				disposal plant. Wear eye protection/ face protection.	
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5-Aminolevulinic Acid Hydrochloride Salt

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

(2S,5R)-trans-5-Hydroxypiperidine-2-carboxylic 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.

4-Hydroxyphenylacetic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection.	



				Wear protective gloves.	
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Allantoin					
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-Pyridoxolactone					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	

cis-Aconitic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF ON SKIN: Wash with	



			irritation.	plenty of water. Wear eye protection/ face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
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Xanthurenic 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.

Fumaric acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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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Benzoic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Causes skin irritation. Causes serious eye damage. Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Wash skin thoroughly after handling. Get medical advice/ attention if you feel unwell. Wear eye protection/ face protection. Wear protective gloves.	

Citraconic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Harmful if swallowed.	Wash skin thoroughly after handling. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel	



				unwell. Rinse mouth. Dispose of contents/ container to an approved waste disposal plant. Do not eat, drink or smoke when using this product.	
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Glutaric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Causes severe skin burns and eye damage.	Do not breathe dusts or mists. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse.	



Adipic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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.	

2,5-Furandicarboxylic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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-Dihydroorotic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep	



				comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	
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L-Ascorbic acid

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

Hippuric 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.

Citric acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a	



				<p>POISON CENTER/ doctor if you feel unwell. 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 eye protection/ face protection.</p>	
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N-(CINNAMOYL)GLYCINE

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Harmful if swallowed.	Wash skin thoroughly after handling. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. Dispose of contents/ container to an approved waste disposal plant. Do not eat, drink or smoke when using this product.	

L-Argininosuccinic acid lithium salt

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



Maleic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	<p>Harmful if swallowed or in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.</p>	<p>Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing/ 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.</p>	

Indole-3-carboxaldehyde

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



Indole-3-carboxylic 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.

3,4-Dihydroxyphenylacetic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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.	

Gallic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED:	



			respiratory irritation.	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	
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3-Indoleacetic 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.

3-Indoleacrylic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation	



				persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	
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Kynurenic 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-Isocitric acid trisodium salt hydrate

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

Indole-3-pyruvic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/	



				attention. Wear eye protection/ face protection. Wear protective gloves.	
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DL-Indole-3-lactic 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.

Prephenic acid barium salt

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Harmful if swallowed or if inhaled.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor 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. Use only outdoors or in a well-ventilated area.	



Methylmalonic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	

Pipecolic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. If eye irritation persists: Get medical advice/	



				attention. Wear eye protection/ face protection. Wear protective gloves.	
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(±)-Mevalonolactone

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-(?)-Malic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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.	



Phenylacetic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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.	

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

Orotic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly	



				after handling. If eye irritation persists: Get medical advice/ attention. Wear eye protection/ face protection. Wear protective gloves.	
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Phenylpyruvic 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.

D-(+)-3-Phenyllactic 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-Acetyl-L-aspartic 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.

(?) Quinic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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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N-Acetyl-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.

Sodium (R)-?-hydroxyisobutyrate

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

Succinic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		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.	



Glutaconic 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.

2-Hydroxy-3-methylvaleric 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.

4-Imidazoleacrylic 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.

2-Furanacetic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. 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. Immediately call a POISON CENTER/ doctor. Wear eye protection/ face protection. Wear protective gloves.	
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Tiglyl 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.

4,6-Dioxoheptanoic acid

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

3-Hydroxyhexanedioic 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.



2,3-Pyridinedicarboxylic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. 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. Dispose of contents/ container to an approved waste disposal plant. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention.	

4-Hydroxyphenylpyruvic 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-p-Hydroxyphenyllactic Acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
					Not a hazardous substance or mixture according to Regulation (EC)



Sigma- OAMLs

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The life science business of Merck operates as MilliporeSigma in the US and Canada

