



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 9.7

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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 : Phytochemical Metabolite Library Of Standards Plate 3 (Water Soluble)

Product Number : PHYTOMLS03

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

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

Flammable liquids, (Category 2) H225: Highly flammable liquid and vapor.

Acute toxicity, (Category 2) H300: Fatal if swallowed.

Acute toxicity, (Category 2) H330: Fatal if inhaled.

Acute toxicity, (Category 3) H311: Toxic in contact with skin.

Skin corrosion, (Sub-category 1B)	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.
Germ cell mutagenicity, (Category 1A)	H340: May cause genetic defects.
Carcinogenicity, (Category 1B)	H350: May cause cancer.
Reproductive toxicity, (Category 2)	H361f: Suspected of damaging fertility.
Specific target organ toxicity - single exposure, (Category 3), Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, (Category 1), Peripheral nervous system	H372: Causes damage to organs through prolonged or repeated exposure if swallowed.
Specific target organ toxicity - repeated exposure, (Category 2)	H373: May cause damage to organs through prolonged or repeated exposure.
Specific target organ toxicity - repeated exposure, (Category 2), Blood, Liver, Kidney	H373: May cause damage to organs through prolonged or repeated exposure if swallowed.
Short-term (acute) aquatic hazard, (Category 1)	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, (Category 1)	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram

Signal Word	Danger
Hazard Statements	
H225	Highly flammable liquid and vapor.
H300 + H330	Fatal if swallowed or if inhaled.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.

H335	May cause respiratory irritation.
H340	May cause genetic defects.
H350	May cause cancer.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs (Peripheral nervous system) through prolonged or repeated exposure if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs (Blood, Liver, Kidney) through prolonged or repeated exposure if swallowed.
H410	Very toxic to aquatic life with long lasting effects.
Precautionary Statements	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
Supplemental Hazard Statements	none

Reduced Labeling (<= 125 ml)

Pictogram

Signal Word	Danger
Hazard Statements	
H311	Toxic in contact with skin.
H317	May cause an allergic skin reaction.
H340	May cause genetic defects.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure if swallowed.
H314	Causes severe skin burns and eye damage.
H361f	Suspected of damaging fertility.
H300 + H330	Fatal if swallowed or if inhaled.
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.

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.

Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 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.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

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. Keep away from heat and sources of ignition. 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): 3: Flammable liquids

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

Tunnel restriction code : (E)

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:**

Furfural

Flam. Liq. 3; Acute Tox. 3; Acute Tox. 2; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Carc. 2; STOT SE 3; Aquatic Chronic 3; H226, H301, H312, H315, H319, H330, H335, H351, H412

Cis-hex-3-en-1-ol

2-Furoic acid

Aldrich

F20505

Flam. Liq. 3; H226

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

2-Ethylbutyric acid

Aldrich

109959

Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; STOT RE 2; H311, H315, H319, H373

2,4-Dihydroxy-butanoic acid

2-Acetylpyrazine

Aldrich

W312606

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

2-Amino-1-

Skin Irrit. 2; Eye Irrit. 2; STOT

phenylethanol			SE 3; H315, H319, H335
1,5-Anhydro-D-sorbitol	Sigma	A7165	
(s)-3-(allylsulphinyl)-l-alanine	Sigma-Aldrich	72805	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
2-Keto-L-gluconate			
N-Suberoyl glycine	Sigma-Aldrich	52888	
Sinigrin			
(S)-(-)-2-Methylbutanol	Aldrich	A83407	Flam. Liq. 3; Acute Tox. 4; STOT SE 3; H226, H332, H335, EUH066
2-Methyltetrahydrofuran-3-one	Aldrich	W337307	Flam. Liq. 3; Acute Tox. 4; H226, H302
3-Hydroxyisobutyric acid			
3-Furoic acid	Aldrich	163392	Skin Irrit. 2; Eye Irrit. 2; H315, H319
2-Methyl-2-pentenoic acid	Aldrich	W319519	Skin Corr. 1B; Eye Dam. 1; H314
Methylmalonic acid	Sigma	M2633	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
2-Picolinic acid			Acute Tox. 4; Eye Dam. 1; H302, H318
Dihydrothymine			
3,4-Dihydroxybenzaldehyde	Aldrich	419370	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
3,5-Dihydroxybenzoic acid	Aldrich	D110000	Skin Irrit. 2; Eye Irrit. 2; H315, H319
3-(3',4'-Dihydroxyphenyl)lactic acid sodium salt	Cerilliant	PHY80042	
3,4,5-Trimethoxy-trans-cinnamic acid	Sigma	T4002	Eye Irrit. 2; Skin Sens. 1; H317, H319
Acrylamide	Sigma-Aldrich	01699	Acute Tox. 3; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Muta. 1B; Carc. 1B; Repr. 2; STOT RE 1; H301, H312 + H332, H315, H317, H319, H340, H350, H361f, H372
DL-3-Aminoisobutyric acid	Aldrich	217794	
3-Hydroxyvaleric acid			
3-Methylthiopropionic acid			
4-Hydroxy-3-methylbenzoic acid	Aldrich	659282	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H302, H315, H318, H335
Arecoline			Skin Irrit. 2; Eye Irrit. 2; Muta. 1A; Carc. 2; H315, H319, H340, H351
4,5-Dihydroorotic acid			Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
3-Methylxanthine	Aldrich	M2509	

2-Hydroxy-5-methoxybenzoic acid	Aldrich	146188	
Arbutin	Sigma	A4256	
Amygdalin	Sigma	A6005	Acute Tox. 4; H302
Cyclohexanone	Sigma-Aldrich	29135	Flam. Liq. 3; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H226, H302 + H312 + H332, H315, H318, H335
2-Methyl-3-pentanone	Sigma-Aldrich	04222	Flam. Liq. 2; H225
β-Hydroxyisovaleric acid	Aldrich	55453	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Cyclohexanecarboxylic acid	Aldrich	101834	Acute Tox. 4; Eye Irrit. 2; H302, H319
Ethyl acetoacetate	Aldrich	10912	
Citramalic acid			Eye Irrit. 2; H319
(+)-α-Terpineol	Sigma-Aldrich	83073	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Betonicine			
beta-Glycerophosphoric acid			
L-Canavanine	Sigma	C1625	Acute Tox. 4; H302 + H312 + H332
L-(+)-Ergothioneine	Sigma	E7521	
2'-Deoxyinosine	Aldrich	852279	
3-Hydroxycoumarin	Aldrich	642673	Acute Tox. 4; H302
Hydroquinone	Katayama	13-1930	Acute Tox. 4; Eye Dam. 1; Skin Sens. 1B; Muta. 2; Carc. 2; Aquatic Acute 1; Aquatic Chronic 1; H302, H317, H318, H341, H351, H410
Ethyl pyruvate			Flam. Liq. 3; Skin Corr. 1B; Eye Dam. 1; H226, H314
D-allo-Threonine			
Isonicotinic acid	Katayama	15-2160	Eye Irrit. 2; H319
Kojic acid	Sigma	K3125	
2,5-Dihydroxybenzoic acid	Aldrich	149357	Acute Tox. 4; H302
Galactonic acid			
Glucaric acid			
L-α-Glycerophosphorylcholine	Sigma	G5291	
Geniposidic acid	Sigma	SMB00441	Acute Tox. 4; H302
Flavin mononucleotide	Aldrich	CDS020791	
Levulinic acid	Sigma-Aldrich	61380	Acute Tox. 4; Eye Dam. 1; Skin Sens. 1; H302, H317, H318
Nicotinamide (Niacinamide)	Supelco	47865-U	Eye Irrit. 2; H319
3-Hydroxy-2-methyl-4-pyrone	Aldrich	H43407	Acute Tox. 4; H302
S-Methyl-L-cysteine	Sigma-Aldrich	66560	

Methyl nicotinate	Aldrich	M59203	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
2,5-Dimethyl-4-methoxy-3(2H)-furanone	Sigma-Aldrich	55187	Acute Tox. 4; H302
1,6-Anhydro-β-D-glucose	Aldrich	316555	
Na-Acetyl-L-ornithine	Sigma	A3626	
scyllo-Inositol	Sigma	I8132	
Lenticin			
Maltotriose	Sigma-Aldrich	63430	
Malonyl-CoA			
3-Methyl-2-butenic acid	Sigma-Aldrich	38880	Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H315, H318, H335
2-Methylphenol	Supelco	442361	Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Aquatic Chronic 3; H301 + H311, H314, H412
S-(2-Aminoethyl)-L-cysteine			
Tropic acid	Aldrich	T89206	
p-Hydroxymandelic acid			
S-Carboxymethyl-L-cysteine			
L-Iditol	Sigma	I6035	
Seleno-L-methionine	Sigma	S3132	Acute Tox. 3; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H301 + H331, H373, H410
Pilocarpine			Acute Tox. 2; H300 + H330
Prephenate			
5-Methyluridine	Aldrich	535893	
D-(–)-Salicin	Sigma	S0625	Skin Sens. 1; H317
o-Toluic acid	Aldrich	S459585	
Tyrosol	Cerilliant	PHY80166	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
1-Phenyl-1,2-propanedione	Sigma	P2259	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335
(S)-(–)-Citronellal	Aldrich	373753	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Vanillic acid	Aldrich	W398802	
L-Theanine	Sigma	SMB00395	Skin Sens. 1; H317
(–)-Cotinine	Aldrich	284718	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335
1-Methyluric acid	Sigma-Aldrich	67076	
Adenosine phosphosulfate			Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Genistin	Sigma	G0897	
Orientin	Sigma-Aldrich	03810585	
Myricitrin	Sigma-Aldrich	02180585	

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

Flam. Liq.2	H225
Acute Tox.2	H300
Acute Tox.2	H330
Acute Tox.3	H311
Skin Corr.1B	H314
Eye Dam.1	H318
Skin Sens.1	H317
Muta.1A	H340
Carc.1B	H350
Repr.2	H361f
STOT SE3	H335

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

STOT RE1	H372	Calculation method
STOT RE2	H373	Calculation method
STOT RE2	H373	Calculation method
Aquatic Acute1	H400	Calculation method
Aquatic Chronic1	H410	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 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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CHEMIKART

Kit Components:

Furfural					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Flammable liquid and vapor. Toxic if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Fatal if inhaled. May cause respiratory irritation. Suspected of causing cancer. Harmful to aquatic life with long lasting effects.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Avoid release to the environment. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. 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.	
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Cis-hex-3-en-1-ol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	Flammable liquid and vapor.		

2-Furoic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - F20505		Danger	Causes severe skin burns and eye damage.	Do not breathe dust. 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.	

2-Ethylbutyric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 109959		Danger	Toxic in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause damage to organs (Blood, Liver, Kidney) through prolonged or repeated exposure if swallowed.	Do not breathe mist or vapors. IF ON SKIN: Wash with plenty of water. 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. Wear protective gloves/ protective clothing/ eye protection/ face protection. Get medical advice/ attention if you feel unwell.	

2,4-Dihydroxy-butanoic 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-Acetylpyrazine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W312606		Warning	Causes skin irritation. Causes serious	Avoid breathing dust. IF ON SKIN: Wash	

			eye irritation. May cause respiratory irritation.	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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2-Amino-1-phenylethanol

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. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	

1,5-Anhydro-D-sorbitol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A7165					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

(s)-3-(allylsulphanyl)-l-alanine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 72805		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.	

2-Keto-L-gluconate					
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-Suberoyl glycine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 52888					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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

(S)-(-)-2-Methylbutanol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - A83407		Warning	Flammable liquid and vapor. Harmful if inhaled. May cause respiratory irritation.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.	Repeated exposure may cause skin dryness or cracking.

2-Methyltetrahydrofuran-3-one					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W337307		Warning	Flammable liquid and vapor. Harmful if swallowed.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Keep container tightly closed. Ground and	

				bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools.	
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3-Hydroxyisobutyric 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-Furoic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 163392		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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2-Methyl-2-pentenoic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W319519		Danger	Causes severe skin burns and eye damage.	Do not breathe dust. 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.	

Methylmalonic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - M2633		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF IN EYES: Rinse cautiously	

			irritation.	with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
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2-Picolinic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Harmful if swallowed. Causes serious eye damage.	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. 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.	

Dihydrothymine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information

3,4-Dihydroxybenzaldehyde					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 419370		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.	

3,5-Dihydroxybenzoic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - D110000		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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3-(3',4'-Dihydroxyphenyl)lactic acid sodium salt

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY80042					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

3,4,5-Trimethoxy-*trans*-cinnamic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - T4002		Warning	May cause an allergic skin reaction. Causes serious eye 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection.	

Acrylamide					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 01699		Danger	<p>Toxic if swallowed.</p> <p>Harmful in contact with skin or if inhaled.</p> <p>Causes skin irritation.</p> <p>May cause an allergic skin reaction.</p> <p>Causes serious eye irritation.</p> <p>May cause genetic defects.</p> <p>May cause cancer.</p> <p>Suspected of damaging fertility.</p> <p>Causes damage to organs (Peripheral nervous system) through prolonged or repeated exposure if swallowed.</p>	<p>Do not handle until all safety precautions have been read and understood.</p> <p>IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>	

DL-3-Aminoisobutyric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich -					No hazard pictogram, no

217794					signal word, no hazard statement(s), no precautionary statement(s) required.
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3-Hydroxyvaleric 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-Methylthiopropionic 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-Hydroxy-3-methylbenzoic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 659282		Danger	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.	Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. 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.	
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Arecoline

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Causes skin irritation. Causes serious eye irritation. May cause genetic defects. Suspected of causing cancer.	Obtain special instructions before use. IF ON SKIN: Wash with plenty of water. Do not handle until all safety precautions have been read and understood. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash skin thoroughly after handling. IF exposed or concerned: Get medical advice/attention.	

4,5-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 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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3-Methylxanthine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - M2509					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

2-Hydroxy-5-methoxybenzoic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 146188					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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

Arbutin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A4256					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Amygdalin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A6005		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.	

Cyclohexanone					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 29135		Danger	Flammable liquid and vapor. Harmful if swallowed, in contact with skin or if inhaled. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face	

				<p>protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>	
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2-Methyl-3-pentanone					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 04222		Danger	Highly flammable liquid and vapor.	<p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use non-</p>	

				sparkling tools. Take action to prevent static discharges.	
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β-Hydroxyisovaleric acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 55453		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing mist or vapors. 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.	

Cyclohexanecarboxylic acid Cyclohexanecarboxylic Acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 101834		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.	
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Ethyl acetoacetate

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 10912					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Citramalic 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.	

(+)-α-Terpineol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 83073		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing mist or vapors. 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.	

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

beta-Glycerophosphoric 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-Canavanine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - C1625		Warning	Harmful if swallowed, in contact with skin	Avoid breathing dust. IF SWALLOWED:	

			or if inhaled.	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. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.	
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L-(+)-Ergothioneine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - E7521					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2'-Deoxyinosine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 852279					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

3-Hydroxycoumarin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 642673		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.	

Hydroquinone					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Katayama - 13-1930		Danger	Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing genetic defects. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.	Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or	

				concerned: Get medical advice/attention.	
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Ethyl pyruvate

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Flammable liquid and vapor. Causes severe skin burns and eye damage.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Keep container tightly closed. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Ground and bond container and receiving equipment. Wear protective gloves/ protective clothing/ eye protection/ face protection.	

D-allo-Threonine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information

Isonicotinic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Katayama - 15-2160		Warning	Causes serious eye irritation.	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	

Kojic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - K3125					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2,5-Dihydroxybenzoic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 149357		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.	

Galactonic 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.
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Glucaric 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-α-Glycerophosphorylcholine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G5291					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Geniposidic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - SMB00441		Warning	Harmful if swallowed.	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.	

Flavin mononucleotide

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - CDS020791					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Levulinic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 61380		Danger	Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage.	Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. 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.	

Nicotinamide (Niacinamide)					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - 47865-U		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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3-Hydroxy-2-methyl-4-pyrone

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - H43407		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.	

S-Methyl-L-cysteine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 66560					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Methyl nicotinate

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - M59203		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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2,5-Dimethyl-4-methoxy-3(2H)-furanone

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 55187		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.	

1,6-Anhydro-β-D-glucose

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 316555					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

N_α-Acetyl-L-ornithine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A3626					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

scyllo-Inositol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - I8132					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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

Maltotriose					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 63430					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Malonyl-CoA					
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-Methyl-2-butenic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 38880		Danger	Causes skin irritation. Causes serious eye damage. 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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2-Methylphenol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - 442361		Danger	Toxic if swallowed or in contact with skin. Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.	Do not breathe dust. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Avoid release to the environment. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. 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.	
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S-(2-Aminoethyl)-L-cysteine

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

Tropic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - T89206					Not a hazardous substance or mixture.

p-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.

S-Carboxymethyl-L-cysteine

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-Iditol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - I6035					Not a hazardous substance or mixture according to Regulation (EC)

Seleno-L-methionine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - S3132		Danger	Toxic if swallowed or if inhaled. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.	Do not breathe dust. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Wash skin thoroughly after handling. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor. Avoid release to the environment. Get medical advice/ attention if you feel unwell.	

Pilocarpine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Fatal if swallowed or if inhaled.	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Wash skin thoroughly after handling. Do not eat, drink or smoke when	

				using this product. Use only outdoors or in a well-ventilated area. Wear respiratory protection.	
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Prephenate

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

5-Methyluridine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 535893					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

D-(–)-Salicin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - S0625		Warning	May cause an allergic skin reaction.	Wear protective gloves. IF ON SKIN: Wash with plenty of water.	

o-Toluic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - S459585					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Tyrosol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY80166		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.	

1-Phenyl-1,2-propanedione					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - P2259		Warning	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing mist or vapors. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. 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.	
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(S)-(-)-Citronellal

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 373753		Warning	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing mist or vapors. 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.	

Vanillic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W398802					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

L-Theanine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma -		Warning	May cause an allergic skin	Avoid breathing dust. IF ON	

SMB00395			reaction.	SKIN: Wash with plenty of water. Contaminated work clothing should not be allowed out of the workplace. If skin irritation or rash occurs: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	
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(-)-Cotinine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 284718		Warning	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	

1-Methyluric acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 67076					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Adenosine phosphosulfate					
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 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.	

Genistin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G0897					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Orientin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 03810585					Not a hazardous substance or mixture.

Myricitrin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 02180585					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

CHEMIKART