



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 9.12

Revision Date 24.04.2025

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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 1 (Ethanol Soluble)

Product Number : PHYTOMLS01

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 3) H226: Flammable liquid and vapor.

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

Acute toxicity, (Category 1) 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.
Respiratory sensitization, (Category 1)	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, (Category 1)	H317: May cause an allergic skin reaction.
Germ cell mutagenicity, (Category 2)	H341: Suspected of causing genetic defects.
Carcinogenicity, (Category 2)	H351: Suspected of causing cancer.
Reproductive toxicity, (Category 1B)	H360: May damage fertility or the unborn child.
Specific target organ toxicity - single exposure, (Category 2), Lungs	H371: May cause damage to organs if inhaled.
Specific target organ toxicity - single exposure, (Category 3), Respiratory system	H335: May cause respiratory irritation.
Aspiration hazard, (Category 1)	H304: May be fatal if swallowed and enters airways.
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	
H226	Flammable liquid and vapor.
H300 + H330	Fatal if swallowed or if inhaled.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H371	May cause damage to organs (Lungs) if inhaled.

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.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H300 + H330	Fatal if swallowed or if inhaled.
Precautionary Statements	
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

Refer to component SDS

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Kit Components:

Asiatic acid	Sigma	A2612	
2-Undecanone	Aldrich	W309301	Aquatic Acute 1; Aquatic Chronic 1; H410
(-)-Bornyl acetate	Aldrich	B55203	
(±)-α-Lipoamide	Sigma-Aldrich	T5875	Acute Tox. 4; H302
Genistein	Sigma	G6649	Acute Tox. 4; H302
(±)-Naringenin	Aldrich	N5893	Acute Tox. 4; H302
(-)-Catechin	Sigma	C0567	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
(-)-Epigallocatechin	Sigma-Aldrich	E3768	
Carnosic acid, from	Sigma	C0609	
Rosmarinus officinalis			
Rotenone	Sigma-Aldrich	45656	Acute Tox. 2; Acute Tox. 1; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1; H300 + H330, H315, H319, H335, H410
(-)-Epicatechin gallate	Sigma-Aldrich	E3893	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Narirutin	Cerilliant	PHY83339	
(S)-(-)-Limonene	Aldrich	218367	Flam. Liq. 3; Skin Irrit. 2; Skin Sens. 1B; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; H226, H304, H315, H317, H410
Proline Beta			
1,3,5-			
Trimethoxybenzene	Aldrich	138827	Acute Tox. 4; H302
10-Undecen-1-ol	Aldrich	U2008	
(R)-(+)-1,2-Dithiolane-	Aldrich	579602	
3-pentanoic acid			
(-)-α-Bisabolol	Aldrich	14462	Aquatic Chronic 3; H412
1'-Acetoxychavicol	Cerilliant	PHY82458	
acetate			
(+)-Abscisic acid	Sigma	A4906	Aquatic Acute 1; Aquatic Chronic 1; H410
Glabridin	Sigma	G9548	Acute Tox. 4; H302 + H312 + H332

Matairesinol (-)-Epigallocatechin gallate	Sigma-Aldrich Sigma	40043 E4143	Acute Tox. 4; Eye Irrit. 2; Skin Sens. 1; Aquatic Chronic 2; H302, H317, H319, H411
AT101 2-Pyrrolidinone	Sigma Aldrich	SML0433 P74370	Eye Irrit. 2; Repr. 1B; H319, H360D
trans-2-Hexen-1-al	Aldrich	W256005	Flam. Liq. 3; Acute Tox. 4; Acute Tox. 3; H226, H302, H311
1-Phenylethylamine			Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; H302 + H312, H314
2-Butylfuran	Aldrich	L159778	Flam. Liq. 3; H226
2-Octanone	Aldrich	O4709	Flam. Liq. 3; Acute Tox. 4; H226, H312
1-Methylnaphthalene	Supelco	442430	Acute Tox. 4; Asp. Tox. 1; Aquatic Chronic 2; H302, H304, H411
1-Furfurylpyrrole	Aldrich	W328400	Acute Tox. 4; H302 + H312 + H332
4-Allylanisole	Aldrich	A29208	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Muta. 2; Carc. 2; Aquatic Chronic 3; H302, H315, H317, H319, H341, H351, H412
Gramine	Aldrich	G10806	Acute Tox. 4; H302 + H312
2-Tridecanone	Aldrich	W338818	Aquatic Acute 1; Aquatic Chronic 1; H410
trans-Piceatannol	Supelco	PHL83891	Acute Tox. 4; H302 + H312 + H332
Fisetin Terpinolene	Sigma-Aldrich Aldrich	PHL82542 W304603	Skin Sens. 1; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 3; H304, H317, H410
3-Indoleacetonitrile 3-Methylsulfinylpropyl isothiocyanate	Aldrich	129453	Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1; H301 + H311 + H331, H315, H319, H335, H410
3,4- Dihydroxyhydrocinnamic acid	Aldrich	102601	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Guaiazulene	Aldrich	G11004	Acute Tox. 4; H302
Indole-3-butyric acid	Sigma-Aldrich	45532	Acute Tox. 3; H301
Bis(2-Methyl-3-furyl) disulfide	Aldrich	W325900	Skin Irrit. 2; Eye Dam. 1; H315, H318
Muscone	Supelco	PHL89737	
Chrysin	Aldrich	C80105	
Rhein	Sigma	R7269	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Madecassic acid	Sigma-Aldrich	PHL80229	
3,4-Dicaffeoylquinic acid	Supelco	PHL80425	
Acetophenone	Supelco	442438	Acute Tox. 4; Eye Irrit. 2; H302, H319
α-Terpinene	Sigma	T2259	Flam. Liq. 3; Acute Tox. 4; Eye

Linalool	Cerilliant	PHY80885	Irrit. 2; Skin Sens. 1B; Asp. Tox. 1; Aquatic Chronic 2; H226, H302, H304, H317, H319, H411
Acetylsalicylic acid	Sigma	A5376	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; H315, H317, H319
(-)-beta-Elemene	Sigma-Aldrich	63965	Acute Tox. 4; H302
5-Methoxypsoralen	Aldrich	275727	Skin Sens. 1; Muta. 2; Carc. 2; H317, H341, H351
Apigenin			
Atropine	Sigma-Aldrich	37019	Acute Tox. 2; H300 + H330
Boldine	Sigma-Aldrich	67592	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335
α-Mangostin	Sigma	M3824	Acute Tox. 4; H302
Baicalin	Cerilliant	PHY89322	Acute Tox. 4; H302
Agnuside	Sigma	SMB00189	Acute Tox. 4; H302
Cinnamyl alcohol	Aldrich	108197	Acute Tox. 4; Skin Sens. 1; Aquatic Chronic 2; H302, H317, H411
Allyl disulfide	Aldrich	317691	Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H301, H315, H319, H335
D-Carvone	Aldrich	W224928	Skin Sens. 1A; H317
D-Camphor	Aldrich	W223018	Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 2; H228, H315, H318, H332, H371
Eucalyptol	Aldrich	W246506	Flam. Liq. 3; Skin Sens. 1; H226, H317
2-Methoxycinnamaldehyde	Aldrich	W318101	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Biochanin A	Aldrich	145637	
Capsaicin	Sigma	C190	Acute Tox. 2; Skin Irrit. 2; Eye Dam. 1; Resp. Sens. 1; Skin Sens. 1; STOT SE 3; H300, H315, H317, H318, H334, H335
(-)-bilobalide From Ginkgo Biloba Leaves	Sigma	B9031	
Chlorogenic acid	Sigma-Aldrich	00500590	
(-)-Arctigenin	Sigma	SMB00075	
Corilagin	Supelco	PHL80390	
Camphene	Aldrich	W222901	Flam. Sol. 1; Eye Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1; H228, H319, H410
Cyclohexaneacetic acid	Aldrich	W234702	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Coumarin	Aldrich	C85557	Acute Tox. 3; Skin Sens. 1; H301 + H311, H317
(R)-(+)-β-Citronellol	Aldrich	303461	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
5-Decanolide	Aldrich	298069	
Curcumol	Cerilliant	PHY82299	
Daidzein	Sigma	D7802	Skin Irrit. 2; Eye Irrit. 2; H315, H319
Delphinidin chloride	Cerilliant	PHY89625	

Dihydrocapsaicin	Sigma	M1022	Acute Tox. 2; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H300, H315, H319, H335
Cryptochlorogenic acid	Cerilliant	PHY80393	
Curcumin	Sigma	C1386	
Daidzin	Cerilliant	PHY89182	
γ-Terpinene	Sigma	T2134	Flam. Liq. 3; Repr. 2; Aquatic Chronic 2; H226, H361, H411
Benzyl isothiocyanate	Aldrich	W442800	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Resp. Sens. 1; Skin Sens. 1; STOT SE 3; H302, H315, H317, H319, H334, H335
cis-3,7-Dimethyl-2,6-octadien-1-ol	Aldrich	268909	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1B; H315, H317, H319
Eugenol			Eye Irrit. 2; Skin Sens. 1; H317, H319
Flavone	Aldrich	F2003	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Costunolide	Cerilliant	PHY89611	Skin Sens. 1; H317
trans,trans-Farnesyl acetate	Sigma	F2916	
Emodin	Sigma	E7881	Acute Tox. 4; H302
γ-Glu-Phe			
Diosmetin	Cerilliant	PHY82526	
Diosgenin	Sigma	D1634	
Ganoderic acid A	Cerilliant	PHY89668	

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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.3	H226
Acute Tox.2	H300
Acute Tox.1	H330
Acute Tox.3	H311
Skin Corr.1B	H314
Eye Dam.1	H318
Resp. Sens.1	H334
Skin Sens.1	H317
Muta.2	H341
Carc.2	H351
Repr.1B	H360
STOT SE2	H371
STOT SE3	H335
Asp. Tox.1	H304

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
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:

Asiatic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A2612					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

2-Undecanone					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W309301		Warning	Very toxic to aquatic life with long lasting effects.	Avoid release to the environment. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.	

(-)-Bornyl acetate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - B55203					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

(±)-α-Lipoamide					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - T5875		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.	
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Genistein

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G6649		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.	

(±)-Naringenin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - N5893		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.	

(-)-Catechin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma -		Warning	Causes skin irritation.	Avoid breathing dust. IF ON	

C0567			Causes serious eye irritation. May cause respiratory irritation.	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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(-)-Epigallocatechin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - E3768					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Carnosic acid, from *Rosmarinus officinalis*

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - C0609					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Rotenone

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 45656		Danger	Fatal if swallowed or if inhaled. Causes skin irritation.	Do not breathe dust. IF ON SKIN: Wash with plenty of water. Wash	

			Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects.	skin thoroughly after handling. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. 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.	
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(-)-Epicatechin gallate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - E3893		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.	

Narirutin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY83339					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

(S)-(-)-Limonene					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 218367		Danger	Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Avoid release to the environment. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wear protective gloves/ protective clothing/ eye protection/ face protection. Do NOT induce vomiting.	

Proline Beta					
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.
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1,3,5-Trimethoxybenzene

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 138827		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.	

10-Undecen-1-ol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - U2008					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

(R)-(+)-1,2-Dithiolane-3-pentanoic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 579602					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

(-)-α-Bisabolol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 14462			Harmful to aquatic life with long lasting effects.	Avoid release to the environment. Dispose of contents/ container to an	

				approved waste disposal plant.	
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1'-Acetoxychavicol acetate

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY82458					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

(+)-Absciscic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A4906		Warning	Very toxic to aquatic life with long lasting effects.	Avoid release to the environment. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.	

Glabridin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - G9548		Warning	Harmful if swallowed, in contact with skin or if inhaled.	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. 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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Matairesinol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 40043					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

(-)-Epigallocatechin gallate

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - E4143		Warning	Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.	Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Avoid release to the environment. 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.	

AT101

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

SML0433					signal word, no hazard statement(s), no precautionary statement(s) required.
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2-Pyrrolidinone

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - P74370		Danger	Causes serious eye irritation. May damage the unborn child.	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. Wear protective gloves/ protective clothing/ eye protection/ face protection. If eye irritation persists: Get medical advice/attention.	

trans-2-Hexen-1-al

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W256005		Danger	Flammable liquid and vapor. Harmful if swallowed. Toxic in contact with skin.	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. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Ground and bond container and receiving equipment. Wear protective gloves/ protective clothing/ eye protection/ face protection.	
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1-Phenylethylamine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Harmful if swallowed or in contact with skin. Causes severe skin burns and eye damage.	Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. 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. 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. Take off contaminated clothing and wash it before reuse.	
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2-Butylfuran

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - L159778		Warning	Flammable liquid and vapor.	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-sparking tools. Take action to prevent static discharges.	

2-Octanone

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - O4709		Warning	Flammable liquid and vapor. Harmful in contact with skin.	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. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves/protective clothing/ eye protection/ face protection.	
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1-Methylnaphthalene

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - 442430		Danger	Harmful if swallowed. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.	Wash skin thoroughly after handling. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Store locked up. Avoid release to the environment. Do NOT induce vomiting. Collect spillage.	

1-Furfurylpyrrole

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W328400		Warning	Harmful if swallowed, in contact with skin or if inhaled.	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. 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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4-Allylanisole					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - A29208		Warning	Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing genetic defects. Suspected of causing cancer. Harmful 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.	

Gramine					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - G10806		Warning	Harmful if swallowed or in contact with skin.	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 protective gloves/ protective clothing. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.	

2-Tridecanone					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W338818		Warning	Very toxic to aquatic life with long lasting effects.	Avoid release to the environment. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.	

trans-Piceatannol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - PHL83891		Warning	Harmful if swallowed, in contact with skin or if inhaled.	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. 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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Fisetin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - PHL82542					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Terpinolene					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W304603		Danger	May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects.	Avoid breathing mist or vapors. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Avoid release to the environment. IF ON SKIN: Wash with plenty of water. Wear protective gloves. Do NOT induce vomiting.	

3-Indoleacetonitrile					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 129453					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

3-Methylsulfinylpropyl isothiocyanate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Danger	Toxic if swallowed, in contact with skin or if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects.	Avoid release to the environment. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	

3,4-Dihydroxyhydrocinnamic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 102601		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.	

Guaiazulene					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - G11004		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.	

Indole-3-butyric acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 45532		Danger	Toxic if swallowed.	Wash skin thoroughly after handling. IF SWALLOWED:	

				Immediately call a POISON CENTER/ doctor. Store locked up. Dispose of contents/ container to an approved waste disposal plant. Do not eat, drink or smoke when using this product.	
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Bis(2-Methyl-3-furyl) disulfide

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W325900		Danger	Causes skin irritation. Causes serious eye damage.	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. Take off contaminated clothing and wash it before reuse.	

Muscone

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - PHL89737					No hazard pictogram, no signal word, no hazard

					statement(s), no precautionary statement(s) required.
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Chrysin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - C80105					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Rhein

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - R7269		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.	

Madecassic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - PHL80229					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s)

					required.
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3,4-Dicaffeoylquinic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - PHL80425					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Acetophenone

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - 442438		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.	

α -Terpinene

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - T2259		Danger	Flammable liquid and vapor. Harmful if swallowed. May be fatal if	Keep away from heat, hot surfaces, sparks, open flames and	

			swallowed and enters airways. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.	other ignition sources. No smoking. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Avoid release to the environment. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wear protective gloves/ protective clothing/ eye protection/ face protection. Do NOT induce vomiting.	
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Linalool					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY80885		Warning	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection.	

Acetylsalicylic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - A5376		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.	

(-)-beta-Elemene					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 63965					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

5-Methoxypsoralen					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 275727		Warning	May cause an allergic skin reaction. Suspected of causing genetic defects. Suspected of causing cancer.	Do not handle until all safety precautions have been read and understood. IF ON SKIN: Wash with plenty of water. Avoid breathing dust. IF exposed or concerned: Get medical advice/ attention. Contaminated work clothing should not be allowed out of the workplace.	

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

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.

Atropine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 37019		Danger	Fatal if swallowed or if inhaled.	Do not breathe dust. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Store in a well-ventilated place. Keep container tightly closed. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear respiratory protection.	

Boldine

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 67592		Warning	Harmful if swallowed. Causes skin irritation. Causes serious	Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor	

			eye irritation. May cause respiratory irritation.	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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α-Mangostin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - M3824		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.	

Baicalin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY89322		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.	
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Agnuside

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - SMB00189		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.	

Cinnamyl alcohol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 108197		Warning	Harmful if swallowed. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.	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. Avoid release to the environment. Wear protective gloves.	

Allyl disulfide

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 317691		Danger	Toxic if swallowed. Causes skin irritation.	Avoid breathing mist or vapors. IF SWALLOWED: Immediately call	

			Causes serious eye irritation. May cause respiratory irritation.	a POISON CENTER/ doctor. 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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D-Carvone					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W224928		Warning	May cause an allergic skin reaction.	Avoid breathing mist or vapors. IF ON 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.	

D-Camphor					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W223018		Danger	Flammable solid. Causes skin irritation. Causes serious eye damage.	Keep away from heat, hot surfaces, sparks, open flames and	

			Harmful if inhaled. May cause damage to organs (Lungs) if inhaled.	other ignition sources. No smoking. IF ON SKIN: Wash with plenty of water. Wear protective gloves/ protective clothing/ 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. 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: Call a POISON CENTER/ doctor.	
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Eucalyptol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W246506		Warning	Flammable liquid and vapor. May cause an allergic skin reaction.	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. Ground and bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Wear protective gloves/ protective clothing/ eye protection/ face protection.	
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2-Methoxycinnamaldehyde

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W318101		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.	

Biochanin A

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 145637					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s)

					required.
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Capsaicin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - C190		Danger	Fatal if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.	Avoid breathing dust. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. 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.	

(-)-bilobalide From Ginkgo Biloba Leaves					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - B9031					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Chlorogenic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma-Aldrich - 00500590					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

(–)-Arctigenin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - SMB00075					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Corilagin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Supelco - PHL80390					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Camphene					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W222901		Danger	Flammable solid. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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. Use explosion-proof electrical/ ventilating/ lighting/ equipment.	

				Wash skin thoroughly after handling. Avoid release to the environment.	
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Cyclohexaneacetic acid

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W234702		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.	

Coumarin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - C85557		Danger	Toxic if swallowed or in contact with skin. May cause an allergic skin reaction.	Avoid breathing dust. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. Contaminated	

				work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing.	
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(R)-(+)- β -Citronellol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 303461		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.	

5-Decanolide

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 298069					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Curcumol

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant -					No hazard pictogram, no

PHY82299					signal word, no hazard statement(s), no precautionary statement(s) required.
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Daidzein					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - D7802		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.	

Delphinidin chloride					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY89625					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Dihydrocapsaicin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - M1022		Danger	Fatal if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Avoid breathing dust. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. 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.	

Cryptochlorogenic acid					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY80393					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Curcumin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - C1386					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Daidzin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY89182					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

γ-Terpinene					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - T2134		Warning	Flammable liquid and vapor. Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects.	Do not handle until all safety precautions have been read and understood. IF exposed or concerned: Get medical advice/ attention. 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. Avoid release to the environment.	

Benzyl isothiocyanate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - W442800		Danger	Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or	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	

			asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.	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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<i>cis</i> -3,7-Dimethyl-2,6-octadien-1-ol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - 268909		Warning	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection.	

Eugenol					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
		Warning	May cause an allergic skin reaction. Causes serious eye 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection.	
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Flavone					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Aldrich - F2003		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.	

Costunolide					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY89611		Warning	May cause an allergic skin reaction.	Avoid breathing dust. IF ON 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.	

trans,trans-Farnesyl acetate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - F2916					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Emodin					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - E7881		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.	
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y-Glu-Phe

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.

Diosmetin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY82526					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Diosgenin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - D1634					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Ganoderic acid A

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Cerilliant - PHY89668					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.