

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: CLOVE SPICE 29965

Version: 25

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: CLOVE SPICE 29965 (Contains:Cinnamic aldehyde, eugenol, iso eugenol, safrole)

Other identifiers: None

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Carvansons Ltd

Company address: Knowsley Park Way, Haslingden, Rossendale BB4 4RS

Contact: Oliwia Serwilska

E-Mail address: export@carvansons.co.uk

Company phone: +44 161 766 3768

1.4 Emergency telephone number

Emergency phone: +44 161 766 3768

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 2
Sensitization - Skin Category 1
Carcinogenicity Category 1B
Hazardous to the Aquatic Environment - Long-term Hazard Category 3
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H350, May cause cancer (exposure route).
H412, Harmful to aquatic life with long lasting effects.

2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements: H315, Causes skin irritation.
H317, May cause an allergic skin reaction.

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H319, Causes serious eye irritation.
H350, May cause cancer (exposure route).
H412, Harmful to aquatic life with long lasting effects.

Supplemental Information:

EUH208, Contains (E)-1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE, 2-METHYLUNDECANAL, Caryophyllene, Cinnamaldehyde, PINENES, coumarin, hexyl cinnamic aldehyde, linalool, p-tert-butyl-alpha-methylhydrocinnamic aldehyde. May produce an allergic reaction.

Precautionary statements:

P202, Do not handle until all safety precautions have been read and understood.
P261, Avoid breathing vapour or dust.
P264, Wash hands and other contacted skin thoroughly after handling.
P272, Contaminated work clothing should not be allowed out of the workplace.
P273, Avoid release to the environment.
P280, Wear protective gloves/eye protection/face protection.
P302/352, IF ON SKIN: Wash with plenty of soap and water.
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313, IF exposed or concerned: Get medical advice/attention.
P333/313, If skin irritation or rash occurs: Get medical advice/attention.
P337/313, If eye irritation persists: Get medical advice/attention.
P362, Take off contaminated clothing and wash before reuse.
P405, Store locked up.
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



2.3 Other hazards

Other hazards:

Sensitisers declared on a CLP Hazard Label: (E)-1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE, 2-METHYLUNDECANAL, Caryophyllene, Cinnamaldehyde, PINENES, coumarin, hexyl cinnamic aldehyde, linalool, p-tert-butyl-alpha-methylhydrocinnamic aldehyde

Hydrocarbon Concentration %: 4.0000%

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Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
eugenol	97-53-0	202-589-1	01-2119971802-33	39.60%	EDI 2-SS 1B;H317-H319,-	oral: ATE = 2500 mg/kg bw
Cinnamic aldehyde	104-55-2	203-213-9	exempt from REACH registration as <1T	16.00%	ATD 4-SCI 2-EDI 2-SS 1A;H312-H315-H317-H319,-	dermal: ATE = 1100 mg/kg bw-oral: ATE = 2500 mg/kg bw
iso eugenol	97-54-1	202-590-7	01-2120223682-61	7.20%	ATO 4-ATD 4-ATI 4-SCI 2-EDI 2-SS 1A-STO-SE 3(RI);H302-H312-H315-H317-H319-H332-H335,-	inhalation: ATE = 1.5 mg/l (dusts or mists)-dermal: ATE = 1912 mg/kg bw-oral: ATE = 1500 mg/kg bw
BENZYL BENZOATE	120-51-4	204-402-9	01-2119949300-45-XXXX	4.29%	ATO 4-EH A1-EH C2; H302-H400-H411,-	dermal: ATE = 4000 mg/kg bw-oral: ATE = 1500 mg/kg bw
Caryophyllene	87-44-5	201-746-1		4.00%	SS 1B-AH 1-EH C4; H304-H317-H413,-	
2-PHENYLETHANOL	60-12-8	200-456-2	01-2119963921-31-XXXX	2.80%	ATO 4-EDI 2;H302-H313-H316-H319,-	dermal: ATE = 2500 mg/kg bw-oral: ATE = 1610 mg/kg bw
PINENES	80-56-8	201-291-9	exempt from REACH registration as <1T	0.76%	FL 3-ATO 4-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H302-H304-H315-H317-H410,-	M = 1-oral: ATE = 500 mg/kg bw
2-METHYLUNDECANAL	110-41-8	203-765-0	01-2119969443-29	0.66%	SCI 2-SS 1B-EH A1-EH C1;H315-H317-H400-H410,-	M = 1
p-tert-butyl-alpha-methylhydrocinnamic aldehyde	80-54-6	201-289-8		0.56%	ATO 4-SCI 2-SS 1B-REP 2-EH C3;H302-H315-H317-H361-H412,-	oral: ATE = 1390 mg/kg bw
linalool	78-70-6	201-134-4	exempt from REACH registration as <1T	0.56%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-	oral: ATE = 2790 mg/kg bw
coumarin	91-64-5	202-086-7	01-2119949300-45-XXXX	0.24%	ATO 4-SS 1B;H302-H317,-	oral: ATE = 500 mg/kg bw
safrole	94-59-7	202-345-4		0.20%	ATO 4-MUT 2-CAR 1B; H302-H341-H350,-	oral: ATE = 1950 mg/kg bw
(E)-1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE	43052-87-5	245-845-8	exempt from REACH registration as <1T	0.18%	ATO 4-SS 1B-EH C2; H302-H317-H411,-	dermal: ATE = 2900 mg/kg bw-oral: ATE = 1670 mg/kg bw
Cinnamaldehyde	104-55-2	203-213-9	exempt from REACH registration as <1T	0.16%	ATD 4-SCI 2-EDI 2-SS 1A;H312-H315-H317-H319,-	dermal: ATE = 1100 mg/kg bw-oral: ATE = 2500 mg/kg bw
hexyl cinnamic aldehyde	101-86-0	202-983-3	01-2119533092-50-XXXX	0.11%	SS 1B-EH A1-EH C2; H317-H400-H411,-	M = 1-oral: ATE = 3100 mg/kg bw
Gamma-Terpinene	99-85-4	202-794-6	exempt from REACH registration, according to information received from our supplier	0.10%	FL 3-REP 2-AH 1; H226-H304-H361,-	oral: ATE = 3850 mg/kg bw

Substances with Community workplace exposure limits:

Not Applicable

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Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

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

Skin exposure: IF ON SKIN: Wash with plenty of soap and water.

Ingestion: Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause cancer (exposure route).

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

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6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

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Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	YELLOW
Odour:	CHARACTERISTIC
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	> 80 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0.9620 - 1.0620
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

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Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Skin Corrosion / Irritation Category 2
Serious eye damage/irritation:	Eye Damage / Irritation Category 2
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Carcinogenicity Category 1B
Reproductive toxicity:	Based on available data the classification criteria are not met.
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
2-PHENYLETHANOL	60-12-8	200-456-2	1610	2500	Not available	Not available
BENZYL BENZOATE	120-51-4	204-402-9	1500	4000	Not available	Not available
iso eugenol	97-54-1	202-590-7	Not available	1912	Not available	Dust/mist mg/l

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity:

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties: Not Applicable

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12.7 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number or ID number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	Not classified	-	-	-	-
IMDG	Not classified	-	-	-	-
ADR,RID,ADN	Not classified	-	-	-	-
ICAO TI	Not classified	-	-	-	-

14.5 Environmental hazards: Not environmentally hazardous for transport

14.6 Special precautions for user: None additional

14.7 Maritime transport in bulk according to IMO instruments:

Not classified

Section 15. Regulatory information

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

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits: SCI 2=43.10% EDI 2=15.24% SS 1=0.62500000% CAR 1B=50.00% EH C3=13.55%

Total Fractional Values: SCI 2=2.32 EDI 2=6.56 SS 1=160.00 CAR 1B=2.00 EH C3=7.38

Key to revisions:

Classification under Regulation (EC) No 1272/2008

SECTION 3: Composition/information on ingredients

Key to abbreviations:

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Abbreviation	Meaning
AH 1	Aspiration Hazard Category 1
ATD 4	Acute Toxicity - Dermal Category 4
ATI 4	Acute Toxicity - Inhalation Category 4
ATO 4	Acute Toxicity - Oral Category 4
CAR 1B	Carcinogenicity Category 1B
EDI 2	Eye Damage / Irritation Category 2
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
EH C4	Hazardous to the Aquatic Environment - Long-term Hazard Category 4
FL 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects (exposure route).
H350	May cause cancer (exposure route).
H361	Suspected of damaging fertility or the unborn child (exposure route).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
MUT 2	Germ Cell Mutagenicity Category 2
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

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P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P281	Use personal protective equipment as required.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
REP 2	Toxic to Reproduction Category 2
SCI 2	Skin Corrosion / Irritation Category 2
SENSFREE	SENSITISER
SS 1A	Sensitization - Skin Category 1A
SS 1B	Sensitization - Skin Category 1B
STO-SE 3(RI)	Specific Target Organ Toxicity (Single Exposure) Category 3

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.