

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CORIANDER PURE ESSENTIAL OIL

1. Identification of the substance/mixture and company

Trade name: Coriander Pure Essential oil
I.N.C.I. Coriandrum Sativum Fruit Oil
CAS No. : 84775-50-8
EINESCS No. : 283-880-0
REACH pre-registration No. : /
Utilization: Raw material for cosmetic or professional use
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606
Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, category 1B H317
Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display
Hazard pictograms (CLP)



GHS08



GHS09



GHS07

Signal word (CLP) : Danger

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P103 - Read label before use.
P102 - Keep out of reach of children.
P101 - If medical advice is needed, have product container or label at hand.

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

P331 - Do NOT induce vomiting.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

3. Declaration of ingredients

3.1. Substances

Name	Product identifier	%
CORIANDER SEEDS ESSENTIAL OIL 100% pure and natural	(CAS-No.) 84775-50-8 (EC-No.) 283-880-0 (REACH-no) 01-2120751207-58	100

3.2. Mixtures

Not concerned

4. First aid measures

4.1 Description of first aid measures

First-aid measures general : Call a doctor immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. When in doubt or if symptoms are observed, get medical advice. In case of unconsciousness, place patient stably in side position for transportation.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wash contaminated clothing before reuse. If

skin irritation occurs: Get medical advice/attention. Thoroughly clean shoes before re-using. Wash skin with plenty of water. Take off contaminated clothing.

If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : In case of contact, immediately rinse eyes with plenty of water for at least 15 minutes. Do not allow water to flow into the uncontaminated eye. Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Aspiration hazard. Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Get immediate medical advice and attention.

4.2 Main symptoms and effects, both acute and delayed

Symptoms/effects : Redness, eczema-like reactions...

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : Risk of lung oedema.

4.3 Indication to consult a physician immediately or any special treatments

Hand washing point and eyewash station recommended at the workplace.

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5. Fire fighting measures

5.1 Means of extinction

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Release of carbon oxides and irritating fumes. Dangerous for the environment. Contain contaminated fire fighting water.

5.3 Recommendations for fire-fighters

Protection during firefighting : In case of insufficient ventilation, wear suitable respiratory equipment. Special protective equipment and precautions for fire-fighters. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

General measures : Take a shower or wash hands. Provide adequate ventilation. Remove all sources of ignition. Avoid breathing dust, mist or spray.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Wear protective gloves/protective clothing/eye protection/face protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unprotected persons to safe areas

6.2 Environmental precautions

Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas. Notify authorities if product enters sewers or public waters.

6.3 Methods and materials for containment and remediation

For containment : In case of small spills, absorb spilled liquid with inert absorbent. Collect in an appropriate container properly labelled for disposal. Close it before disposal according to regulation. In case of large spills, stop spill if it can be done without danger, dike and pump as much liquid as possible with an explosion-proof pump or a hand pump. Absorb the remaining liquid with inert absorbent. Collect

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in an appropriate container properly labelled for disposal. Preferably use non-sparking tools. Close it before disposal according to regulation. Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe gas, fumes, vapour or spray. Do not smoke. Keep away from ignition sources (including static discharges). Preferably use only nonsparking tools. Avoid exposing to high temperature during processing. Do not ingest or apply to the skin as such. Good personal washing routines should be followed. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Store locked up in a cool well-ventilated location. Keep container tightly sealed. Keep away from sources of ignition. Protect from heat and direct sunlight. Respect general rules for compatibility storage. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep contents under nitrogen.

7.3 Specific end uses

No data available

8. Exposure controls / personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

Hand protection:

Use protective gloves resistant to chemicals nitrile or fluorinated (Teflon, Viton) recommended (standard EN 374-1).

Avoid Latex. Gloves should be replaced regularly and if there is any indication of degradation or chemical breakthrough.

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Eye protection:

Use safety glasses (conforming EC EN 166, protection class 3= against liquids and droplets). Optional face shield. Safety glasses

Skin and body protection:

Long sleeved protective clothing. Impervious Boots

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

Other information:

The usual precautionary measures are to be adhered to when handling chemicals. Take off contaminated clothing and wash before reuse. Avoid contact with eyes and skin. Individual washing routines should be followed after any potential contact.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Physical state : Liquid

Appearance : liquid at room temperature. clear.

Colour : Colourless. pale yellow.

Odour : peppery. spicy. aldehydic. citral-like. woody.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : No data available

Flash point : 62 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Not applicable

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : 0.862 - 0.878

Solubility : No data available

Log Pow : No data available

Viscosity, kinematic : < 20 mm²/s

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

Refractive index : 1.462 - 1.47

9.2 Other information

None

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10. Stability and reactivity

10.1 Responsiveness

No reaction known with water.

10.2 Chemical stability

Stable in use and storage conditions as recommended in item 7

10.3 Possibility of dangerous reactions

None under normal use.

10.4 Conditions to avoid

Prolonged or excessive heat and/or exposure to air may cause non-hazardous decomposition and/or oxidation of the substance. Keep away from heat and sources of ignition .

10.5 Incompatible materials

Strong acids. Oxidizing agent.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1 Information on toxicological effects

acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

LD50 oral rat > 5000 mg/kg

LD50 dermal rabbit ≈ 4130 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

Viscosity, kinematic < 20 mm²/s

12. Ecological information

12.1 Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available

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12.3 Bioaccumulation potential

No data available

12.4 Ground mobility

No data available

12.5 Results of PBT and vPvB assessment

No data available e

12.6 Other adverse effects

No data available

Further information: no heavy metals and inorganic components

13. Disposal considerations

13.1 Waste treatment methods

Waste treatment methods : Wastes should be eliminated according to national or regional regulatory requirements currently in force. Minimize release to the environment. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Unusable products, out of date, residues and contaminated packaging are considered as hazardous waste according to Directive 2008/98/EC (as modified by Regulation (EU) No 1357/2014).

Therefore, they must be disposed of according to local and national rules into force.

Contact a licensed company.

Ecology - waste materials : Avoid release to the environment.

14. Transport information

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-pinene)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-pinene)	Environmentally hazardous substance, liquid, n.o.s. (alpha-pinene)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-pinene)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-pinene)

Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS	UN 3082 Environmentally hazardous substance,	UN 3082 ENVIRONMENTALLY HAZARDOUS	UN 3082 ENVIRONMENTALLY HAZARDOUS

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SUBSTANCE, LIQUID, N.O.S. (alpha-pinene), 9, III, (-)	SUBSTANCE, LIQUID, N.O.S. (alpha-pinene), 9, III, MARINE POLLUTANT	liquid, n.o.s. (alpha-pinene), 9, III	SUBSTANCE, LIQUID, N.O.S. (alpha-pinene), 9, III	HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-pinene), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR): T4

Portable tank and bulk container special provisions (ADR): TP1, TP29

Tank code (ADR) : LGBV

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Loading, unloading and handling (ADR): CV13

Hazard identification number (Kemler No.) : 90

Tunnel restriction code (ADR) : -EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 969

Packing instructions (IMDG) : P001, LP01

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP2, TP29

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Stowage category (IMDG) : A

Air transport

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PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197
ERG code (IATA) : 9L
Inland waterway transport
Classification code (ADN) : M6
Special provisions (ADN) : 274, 335, 375, 601
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0
Rail transport
Classification code (RID) : M6
Special provisions (RID) : 274, 335, 375, 601
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions (RID): TP1, TP29
Tank codes for RID tanks (RID) : LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Special provisions for carriage - Loading,
unloading and handling (RID): CW13, CW31
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture
The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:
Reference code Applicable on
3(b) CORIANDER SEEDS ESSENTIAL OIL 100% pure and natural
3(c) CORIANDER SEEDS ESSENTIAL OIL 100% pure and natural
CORIANDER SEEDS ESSENTIAL OIL 100% pure and natural is not on the REACH Candidate List
CORIANDER SEEDS ESSENTIAL OIL 100% pure and natural is not on the REACH Annex XIV List
CORIANDER SEEDS ESSENTIAL OIL 100% pure and natural is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

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CORIANDER SEEDS ESSENTIAL OIL 100% pure and natural is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

15.2 Chemical safety assessment.

No data available

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

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DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

ALLERGENS	CAS	%
Anisyl alcohol	105-13-5	nd
Benzyl alcohol	100-51-6	nd
Cinnamyl alcohol	104-54-1	nd
Benzyl benzoate	120-51-4	nd
Benzyl cinnamate	103-41-3	nd
Benzyl salicylate	118-58-1	nd
Cinnamal	104-55-2	nd
Citral	5392-40-5	0.20
Citronellol	106-22-9	0.20
Coumarin	91-64-5	nd
D-limonene	5989-27-5	5.00
Eugenol	97-53-0	nd
Farnesol	4602-84-0	nd
Geraniol	106-24-1	3.00
Isoeugenol	97-54-1	nd
Linalool	78-70-6	78.00
Tree moss	90028-67-4	nd
Oak moss	90028-68-5	nd
Phenylacetaldehyde	122-78-1	nd

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.