

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 4/15/2019 Version: 1.0

SECTION 1: Identification of the subs	stance/mixture and of the company/undertaking	
1.1. Product identifier		
Product form	: Substance	
Substance name	: Coriander Essential Oil Organic	
Chemical name	: Coriandrum sativum L.	
EC-No.	: 283-880-0	
CAS-No.	: 84775-50-8	
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against	
1.2.1. Relevant identified uses		
Main use category	: Industrial use, Professional use, Consumer use	
Use of the substance/mixture	: Use as flavoring and / or perfuming product	
<ul><li>1.2.2. Uses advised against</li><li>No additional information available</li><li>1.3. Details of the supplier of the safety data</li></ul>	ata sheet	
Naissance Unit 9 & 11 Milland Road Industrial Estate Milland Road		
SA11 1NJ Neath - United Kingdom www.discoveringbetter.com		
<b>1.4. Emergency telephone number</b> No additional information available		
SECTION 2: Hazards identification 2.1. Classification of the substance or min	xture	
Classification according to Regulation (EC) No		
Skin corrosion/irritation, Category 2	H315	
Skin sensitisation, Category 1	H317	
Aspiration hazard, Category 1	H304	
Hazardous to the aquatic environment — Chronic	Hazard, Category 1 H410	
Full text of H statements : see section 16		
Adverse physicochemical, human health and e Causes skin irritation. May cause an allergic skin effects.	environmental effects reaction. May be fatal if swallowed and enters airways. Very toxic to aquatic life with long lasting	
2.2. Label elements		
Labelling according to Regulation (EC) No. 127 Hazard pictograms (CLP)	72/2008 [CLP]	
	GHS07 GHS08 GHS09	
Signal word (CLP)	: Danger	
Hazard statements (CLP)	<ul> <li>H304 - May be fatal if swallowed and enters airways.</li> <li>H315 - Causes skin irritation.</li> <li>H317 - May cause an allergic skin reaction.</li> <li>H410 - Very toxic to aquatic life with long lasting effects.</li> <li>H319 - Causes serious eve irritation.</li> </ul>	
Precautionary statements (CLP)	<ul> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P273 - Avoid release to the environment.</li> <li>P280 - Wear protective clothing, eye protection, face protection.</li> <li>P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER.</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water.</li> <li>P501 - Dispose of contents to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> </ul>	
2.3. Other hazards		

2.3. Other hazards No additional information available

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 3: Composition/information	on ingredients	
3.1. Substances		
Name : Coriander Essential Oil Organic		
CAS-No.	: 84775-50-8	
EC-No.	: 283-880-0	
Name	Product identifier	%
Linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4	<= 78
Alpha-Pinene	(CAS-No.) 80-56-8 / 7785-26-4 (EC-No.) 201-291-9	<= 10
gamma-Terpinene	(CAS-No.) 99-85-4 (EC-No.) 202-794-6	<= 8
Camphor	(CAS-No.) 76-22-2 / 21368-68-3 (EC-No.) 200-945-0	<= 7
Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5	<= 5
Geranil acetate	(CAS-No.) 105-87-3 (EC-No.) 203-341-5	<= 5
p-Cymene	(CAS-No.) 99-87-6 (EC-No.) 202-796-7	<= 4
Geraniol	(CAS-No.) 106-24-1 (EC-No.) 203-377-1	<= 4
Camphene	(CAS-No.) 79-92-5 (EC-No.) 201-234-8	<= 3
Myrcene	(CAS-No.) 123-35-3 (EC-No.) 204-622-5	<= 3
Beta-Pinene	(CAS-No.) 127-91-3 (EC-No.) 204-872-5	<= 2

3.2. Mixtures

Not applicable

### SECTION 4: First aid measures 4.1. Description of first aid measures : Remove person to fresh air and keep comfortable for breathing. Get medical First-aid measures after inhalation advice/attention if you feel unwell. : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash First-aid measures after skin contact occurs: Get medical advice/attention. First-aid measures after eye contact : 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. : Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention. First-aid measures after ingestion 4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction. Symptoms/effects after ingestion : Risk of lung oedema. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures

SECTION 5. Filengilling measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the substa	ance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Precautionary measures fire	: Evacuate area. Eliminate all ignition sources if safe to do so. Stop leak if safe to do so.
Firefighting instructions	: Cool laterally with water containers exposed to flames, even after the fire is extinguished.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equi	pment and emergency procedures	
General measures	: Remove ignition sources. Stop leak if safe to do so. Evacuate area.	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information	
	refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containment	t and cleaning up	
Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it. On land,	
	sweep or shovel into suitable containers. Minimise generation of dust. Store away from	
	other materials.	
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.		
OFOTION 7. Heredling and stars as		
SECTION 7: Handling and storage		

7.1. Precautions for safe handling		
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.	
Hygiene measures	: 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 locked up. Store in a well-ventilated place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	

# 7.3. Specific end use(s) No additional information available

SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
Alpha-Pinene (80-56-8 / 77	785-26-4)	
Germany	TRGS 910 Acceptable concentration notes	
USA - ACGIH	ACGIH TWA (ppm)	20 ppm

Camphor (76-22-2 / 21368-68-3)		
Germany	TRGS 910 Acceptable concentration notes	
United Kingdom	WEL TWA (mg/m³)	13
United Kingdom	WEL TWA (ppm)	2 ppm
United Kingdom	WEL STEL (mg/m³)	19
United Kingdom	WEL STEL (ppm)	3 ppm
USA - ACGIH	ACGIH TWA (ppm)	2 ppm
USA - ACGIH	ACGIH STEL (ppm)	3 ppm

Beta-Pinene (127-91-3)		
Germany	TRGS 910 Acceptable concentration notes	
USA - ACGIH ACGIH TWA (ppm) 20 ppm		
9.2 Expective controls		

## 8.2. Exposure controls Appropriate engineering controls:

Ensure good ventilation of the work station.

## Hand protection:

Protective gloves

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Eye protection:	
Safety glasses	
Skin and body protection:	
Wear suitable protective clothing	
Respiratory protection:	

In case of insufficient ventilation, wear suitable respiratory equipment

## Personal protective equipment symbol(s):



## Environmental exposure controls:

Avoid release to the environment.

## Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: Pale yellow. Colourless.	
Odour	: characteristic.	
Odour threshold	: No data available	
рН	: 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	: 85 °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	: 0.84 - 0.88	
Solubility	: Water: Insoluble	
	Ethanol: Soluble	
Log Pow	: No data available	
Viscosity, kinematic	: < 7 mm²/s	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	
9.2. Other information		
Refractive index	: 1.44 - 1.47	
SECTION 10: Stability and reactivity		

SECTION 10: Stability and reactiv	lity	
10.1. Reactivity		
The product is non-reactive under normal con	ditions of use, storage and transport.	
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactio	ns	
No dangerous reactions known under normal	conditions of use.	
10.4. Conditions to avoid		
None under recommended storage and hand	ling conditions (see section 7).	
10.5. Incompatible materials		
No additional information available		
1/15/00/10 () (		

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity (oral) Acute toxicity (dermal)	: Not classified : Not classified		
Acute toxicity (inhalation)	: Not classified		
Coriander Essential Oil Organic (84775-50-			
LD50 oral rat	4130 mg/kg		
LD50 dermal rabbit	>= 5000 mg/kg		
Linalool (78-70-6)			
LD50 oral rat	3000 mg/kg		
LD50 oral	2790 mg/kg		
LD50 dermal rabbit	5610 mg/kg		
LC50 inhalation rat (mg/l)	> 20 mg/l/4h		
Alpha-Pinene (80-56-8 / 7785-26-4)			
LD50 oral rat	3700 mg/kg		
L			
Camphor (76-22-2 / 21368-68-3)			
LD50 oral	1500 mg/g		
LC50 inhalation rat (mg/l)	1.5 mg/l		
Limonene (5989-27-5)			
LD50 oral rat	4400 mg/kg		
LD50 dermal	> 2000 mg/kg		
LC50 inhalation rat (mg/l)	> 20 mg/l		
Geranil acetate (105-87-3)			
LD50 oral rat	≈ 6330 mg/kg		
p-Cymene (99-87-6)			
LD50 oral rat	4750 mg/kg		
LD50 dermal	> 2000 mg/kg		
LC50 inhalation rat (mg/l)	> 20 mg/l/4h		
Geraniol (106-24-1)			
LD50 oral rat	≈ 3600 ml/kg		
LD50 dermal rabbit	> 5 g/kg		
Myrcene (123-35-3)			
LD50 oral	> 2000 mg/kg		
LD50 dermal	> 2000 mg/kg		
LC50 inhalation rat (mg/l)	> 20 mg/l/4h		
Beta-Pinene (127-91-3)			
LD50 dermal rat	≈ 4700 mg/kg		
4/15/2019 (Version: 1.0)	EN (English) 5/10		

Viscosity, kinematic

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
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.
Coriander Essential Oil Organic (84	1775-50-8)

< 7 mm²/s

SECTION 12: Ecological information 12.1. Toxicity			
Ecology - general :	Very toxic to aquatic life with long lasting effects.		
	: Not classified		
Chronic aquatic toxicity :	Very toxic to aquatic life with long lasting effects.		
Coriander Essential Oil Organic (84775-50-8)			
EC50 Daphnia 1	57.1 mg/l		
Linalool (78-70-6)			
LC50 fish 1	27.8 mg/l		
EC50 Daphnia 1	59 mg/l		
EC50 96h algae (1)	88.3 mg/l		
Limonene (5989-27-5)			
LC50 fish 1	≈ 33 mg/l		
EC50 Daphnia 1	0.1 - 1 mg/l		
ErC50 (algae)	0.1 - 1 mg/l		
p-Cymene (99-87-6)			
LC50 fish 1	48 mg/l		
EC50 Daphnia 1	6.5 mg/l		
12.2. Persistence and degradability	0.5 high		
Linalool (78-70-6)			
Persistence and degradability	Not established.		
Alpha-Pinene (80-56-8 / 7785-26-4)			
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.		
gamma-Terpinene (99-85-4)			
	Natastalished		
Persistence and degradability	Not established.		
Limonene (5989-27-5)			
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.		
Geranil acetate (105-87-3)			
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.		

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

p-Cymene (99-87-6)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
Geraniol (106-24-1)	
Persistence and degradability	Not established.
Camphene (79-92-5)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
Myrcene (123-35-3)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
Beta-Pinene (127-91-3)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potential	
Linalool (78-70-6)	
Log Pow	2.84 - 3.1
Bioaccumulative potential	Not established.
Alpha-Pinene (80-56-8 / 7785-26-4)	
Bioaccumulative potential	Not established.
gamma-Terpinene (99-85-4)	
Bioaccumulative potential	Not established.
Limonene (5989-27-5)	
Bioaccumulative potential	Not established.
bioaccumulative potential	Not established.
Geranil acetate (105-87-3)	
Bioaccumulative potential	Not established.
· · ·	
p-Cymene (99-87-6)	
Bioaccumulative potential	Not established.
	·
Geraniol (106-24-1)	
Bioaccumulative potential	Not established.
Camphene (79-92-5)	
Bioaccumulative potential	Not established.
Myrcene (123-35-3)	
Log Pow	5.29
Bioaccumulative potential	Not established.
Beta-Pinene (127-91-3)	
Bioaccumulative potential	Not established.
<b>12.4. Mobility in soil</b> No additional information available	

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

No additional information available

SEC	TION 1	13: Dis	posal considerations
13.1. Waste treatment methods			

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions. Must follow special treatment according to local regulation.

ADR	IMDG	ΙΑΤΑ	ADN	RID
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1169	UN 1169	UN 1169	UN 1169	UN 1169
14.2. UN proper shippin	g name			
EXTRACTS, AROMATIC, LIQUID	EXTRACTS, AROMATIC, LIQUID	Extracts, aromatic, liquid	EXTRACTS, AROMATIC, LIQUID	EXTRACTS, AROMATIC, LIQUID
Transport document descr	iption			
UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1169 Extracts, aromatic, liquid, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard o	class(es)		1	
3	3	3	3	3
14.4. Packing group				
III	III	III	III	Ш
14.5. Environmental haz	ards	1	1	1
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	n available	1	1	
14.6. Special precautions	s for user			
Overland transport				
Classification code (ADR)	: F1			
Special provisions (ADR)	: 60	I		
Limited quantities (ADR)	: 5I : E1			
		01, IBC03, LP01, R001		
Packing instructions (ADR) Mixed packing provisions (ADR)		: MP19		
Portable tank and bulk contain (ADR)		13		
Portable tank and bulk contain (ADR)	ner special provisions : TP	1		
Tank code (ADR)		BF		
Vehicle for tank carriage				
Transport category (ADR)				
Special provisions for carriage - Packages (ADR)		2		
Special provisions for carriage - Operation (ADR)				
Hazard identification number	(Kemler No.) : 30			

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

30

:

Orange plates

	30
	1169
Tunnel restriction code (ADR)	: D/E
EAC code	: 3YE
Transport by sea	
Special provisions (IMDG)	: 223, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Usually consist of alcoholic solutions. Miscibility with water depends upon the composition.
Air transport	,
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L
	. 36
Inland waterway transport	. 54
Classification code (ADN)	: F1
Special provisions (ADN)	: 601
Limited quantities (ADN)	:5L
Excepted quantities (ADN)	
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
Rail transport	-
Classification code (RID)	: F1
Special provisions (RID)	: 601
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T2
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30
14.7. Transport in bulk according to Annex Not applicable	II of Marpol and the IBC Code

SECTION 15: Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

No REACH Annex XVII restrictions

Coriander Essential Oil Organic is not on the REACH Candidate List

Coriander Essential Oil Organic is not on the REACH Annex XIV List

Coriander Essential Oil Organic 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.

Coriander Essential Oil Organic 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

### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 1	Flammable solids, Category 1
Flam. Sol. 2	Flammable solids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product