


1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier: Carrot Seed Oil		
Substance name: Daucus Carota Sativa Seed Oil		
EC NO: 284-545-1	CAS NO: 8015-88-1	EINECS CAS Number: 84929-61-3
Index No:	Reach Registration No:	REACH Reg. Number: Exempt < 1 tpa
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Multiple uses in the flavour and fragrance industries.		
Uses advised against:		
1.3 Details of the supplier of the safety data sheet		
Company	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
Email	info@penny-price.com	
1.4 Emergency Telephone Number	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999	

2. Hazards Identification			
2.1 Classification of the substance or mixture			
Classified according to Regulation (EC) 1272/2008 (CLP) as amended	Physical and Chemical Hazards		
	Human Health		
	Environment		
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard statements.			
H226	Flammable liquid and vapour.	H304	May be fatal if swallowed and enters airways.
H315	Causes skin Irritation.	H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects/		
Precautionary Statements:			
P262	Do not get in eyes, on skin or on clothing.	P273	Avoid release to the environment.

P280	Wear protective gloves/protective clothing/ eye protection/ face protection.	P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331	Do NOT induce vomiting.	P391	Collect Spillage.
2.3 Other hazards – Results of PBT and vPvB			

3. 1 Composition / information on ingredients:

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Carrot Seed Oil 100%			

4. First Aid Measures

4.1 General	Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
Skin contact	Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP.

4.2 Most important symptoms and effects, both acute and delayed:

	No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment need

	Symptomatic treatment as required.

5. Firefighting Measures

5.1 Extinguishing Media:

Suitable extinguishing media:	Foam. Carbon dioxide (CO ₂), dry powder.
Unsuitable extinguishing media:	

5.2 Special hazards arising from the substances or mixture

Hazardous combustion products:	Combustion products: Carbon monoxide (CO), Carbon dioxide (CO ₂), Smoke.
Advice for firefighters	Do not use water as extinguishing media. No special fire- fighting equipment needed.

6 Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment:	Wear protective gloves, protective clothing, eye protection, face protection.
Emergency procedures:	
6.1.2 For Emergency responders	
6.2 Environmental precautions	Contain the leak with earth or sand. Prevent from entering drains, sewers, and water courses. If this cannot be done, advise the local authority.
6.3 Methods for cleaning up – 6.3.1 For containment:	Absorb spillage with sand or earth. Transfer to a suitable container for disposal.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	

7. Handling and storage

7.1 Precautions for safe handling

Protective measures: Ensure good ventilation/ exhaustion at the workplace.
Handle in a well-ventilated area, away from sources of ignition. DO NOT SMOKE.

Measures to prevent fire:	
Measures to prevent aerosol and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:	
Packaging Materials:	

Requirements for storage and vessels:	Store in well-filled, tightly closed containers away from heat, light and sources of ignition.
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	Used in flavours and fragrances.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection

8.1 Control parameters	No information available.
8.2 Exposure controls	
8.2.2 Personal Protection equipment	
8.2.2.1 Eye / face protection	Wear safety goggles.
8.2.2.2 Skin Protection	Wear suitable protective clothing.
Hand protection	Wear gloves.
Other skin protection	
8.2.2.3 Respiratory protection	Use only in well-ventilated areas. Use protection in poor ventilation.
Ventilation	
8.2.2.4 Thermal hazards	.
8.2.3 Environmental exposure controls	Use suitable handling equipment.

9. Physical and chemical properties- C of A

9.1 Information on basic physical and chemical properties

Colour	Clear
Appearance	Mobile liquid
Odour	Characteristic of carrot
Odour Threshold	No data available
Melting Point / freezing point	Not applicable.
Boiling point /Initial boiling point & boiling range	Not applicable.
Flammability	Flammable
Lower and upper explosion limit	No data available.
Flash point °C	59°C
Auto- ignition temperature	No data available.
Decomposition temperature	No data available.
pH	Not applicable.

Kinematic Viscosity	No data available.
Solubility in water	Insoluble
Solubility in other Solvents	Soluble.
Partition coefficient n-octanol/ water (log value)	No data available.
Vapour Pressure	No data available.
Density and /or relative density	
Relative vapour density	
Particle characteristics	
9.2 Other information	
Specific gravity @20°C	0.940 to 0.970
Optical rotation @ 20°C	
Refractive index @ 20°C	
Explosive Properties	No data available.
Oxidising Properties	None
Particle Size	Not applicable
Typical analysis of major components	

10. Stability and reactivity

10.1 Reactivity	Will react with oxidising agents.
10.2 Chemical Stability	Stable under proper storage conditions.
10.3 Possibility of hazardous reactions:	Not id stored correctly.
10.4 Conditions to avoid:	Do not leave containers open to the air. Avoid storage at elevated temperatures and sources of ignition.
10.5 Incompatible Materials:	Oxidising agents.
10.6 Hazardous Decomposition Products	On combustion may produce smoke, Carbon monoxide and Carbon dioxide.

11. Toxicological information

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

Information on Toxicological Effects	This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.
Acute toxicity:	LD ₅₀ >5000mg/kg (Rat). Dermal > 5000mg/kg (Rabbit).
Skin corrosion /irritation:	Causes skin irritation.
Seriously eye damage/irritation:	May cause eye irritation.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.

Reproductive toxicity:	No data available.
Summary of evaluation of the CMR properties:	
STOT- single exposure,	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	No data available.

12. Ecological information

12.1 Toxicity	No data available.
12.2 Persistency degradability	No data available.
12.3 Bio accumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB Assessment	No data available.
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	No data available.

13. Disposal considerations

13.1 Waste treatment methods	Do not dispose into drainage systems. Ensure disposal is within local and national guidelines. Consult a specialist waste disposal company for correct disposal procedure and / or seek other expert advice.
13.1.1. Product /Packaging disposal:	
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	

14. Transport information

14.1 UN Number or ID number	1169
14.2 UN proper Shipping name	Carrot Seed Oil
14.3 Transport hazard class(es)	3
14.4 Packing group ADR, IMDG, ICAO	III
14.5 Environmental hazards	
14.6 Special precautions for user	
14.7 Maritime transport in bulk according to IMO instruments	

15 Regulatory information

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

This substance is listed as existing as existing in Europe.

15.2 Chemical Safety Assessment	A chemical safety assessment has not been carried out for this product.
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16. Other information

(i) **Indication of Changes: Revised Safety Data Sheet Format:** From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021'.

(ii) **Abbreviations and acronyms:**

RID: Reglement international concernant le transport des marschandisers dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Good by Rail).

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

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)

ADR: Accord eurpeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal Dose, 50 percent

PBT: Persistent, Bio accumulative and Toxic

vPvB: Very Persistent and very Bio accumulative

CLP Classification, Labelling and Packaging Regulation (EU) No. 1272/2008

DSD Dangerous Substances Directive 67/548/EEC

DPD Dangerous Preparations Directive 1999/45/EC

EC European Community / Commission.

PBT Persistent, Bio accumulative and Toxic

REACH Registration, Evaluation, Authorisation and Restriction of Chemical Regulation (EU) no 1907/2006

(iii) **Key Literature references and sources of date.**

(iv) **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):**

Classification according to Regulation (EC) 1272/2008(CLP)	Classification procedure

(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	
Shelf life	Minimum 12 months when stored in the advised conditions.
QC requirements	
In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.	
Disclaimer:	
The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.	