



Certificate of Analysis

PRODUCT DETAILS		
Product Name	CARROT OIL INFUSED IN SUNFLOWER	
Product Code	HECARR	
INCI Name	Carotenoids & Helianthus Annuus Seed Oil & Tocopherol & Ascorbyl Palmitate	
Batch Number	4419501	
Best Before End	December 2022	
Identification	CAS No: NA	EINECS No: NA
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGE	RESULTS
Appearance	Liquid	Conforms
Colour	Orange	Conforms
Odour	Characteristic	Conforms
Relative Density @ 20°C (g/ml)	0.903 - 0.922	0.921
Refractive Index @ 20°C	1.461 - 1.481	1.474
Optical Rotation @ 20°C	-10.0 to +10.0	-0.04
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	

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SAFETY DATA SHEET CARROT OIL INFUSED IN SUNFLOWER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	CARROT OIL INFUSED IN SUNFLOWER
Product number	HECARR
Synonyms; trade names	Carotenoids & Helianthus Annuus Seed Oil & Dunaliella Salina Extract & Tocopherol & Ascorbyl Palmitate

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

1.3. Details of the supplier of the safety data sheet

Supplier	MADAR Corporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA Tel. +44 1425 655555 (Opening Hours Mon - Fri 9.00am - 4.00pm) e-mail technical@madarcorporation.co.uk
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1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2. Label elements

Hazard statements	NC Not Classified
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2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name	CARROT OIL INFUSED IN SUNFLOWER
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.
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Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

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

General information None known.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use as appropriate carbon dioxide (CO₂), dry chemical or foam

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Keep away from heat, sparks and open flame.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Eliminate all ignition sources if safe to do so. Closed containers may build up pressure at elevated temperatures. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Cover with inert, inorganic, non-combustible material (e.g dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with local authority guidelines.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Handle all packages and containers carefully to minimise spills. Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use.

7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions Intrusion into soil to be avoided. Keep containers out of direct sunlight in cool dry conditions at a temperature not exceeding 25c. Keep in original containers. Limit oxygenation (contact with air).

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Eye/face protection	Approved safety goggles.
Hand protection	Chemical resistant gloves (PVC)
Other skin and body protection	No specific requirements are anticipated under normal conditions of use.
Hygiene measures	Good personal hygiene procedures should be implemented.
Respiratory protection	Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.
Environmental exposure controls	Avoid discharging into drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Orange.
Odour	Characteristic.
Melting point	No information available.
Flash point	No information available.
Relative density	0.903 - 0.922 @ 20°C
Solubility(ies)	Insoluble in water. Soluble in oil

9.2. Other information

Refractive index 1.461 - 1.481 @ 20°C

Hydrocarbon Content

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

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Possibility of hazardous reactions None known.

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid Strong acids. Strong alkalis. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non identified organic compounds may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Vegetable oil of natural origin. Non toxic product; LD50s and LC50s not determined.

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Vegetable oil of natural origin. Non toxic product; LD50s and LC50s not determined.

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability >90% (OECD). This product is unlikely to accumulate in the environment and environmental problems under normal use conditions are not expected.

Biodegradation Expected to be readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

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Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No data available.

12.6. Other adverse effects

Other adverse effects Avoid discharge into drains or watercourses or onto the ground.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance CHIP for everyone HSG228.

15.2. Chemical safety assessment

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An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

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SECTION 16: Other information

Revision date	10/05/2021
Revision	4
Supersedes date	28/07/2016
SDS number	4698

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Product Specification

PRODUCT DETAILS		
Product Name	CARROT OIL INFUSED IN SUNFLOWER	
Product Code	HECARR	
INCI Name	Carotenoids & Helianthus Annuus Seed Oil & Dunaliella Salina Extract & Tocopherol & Ascorbyl Palmitate	
Country of Origin	United Kingdom	
Tariff Number	13021970	
Kosher Certified	No	
Food Grade Status	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.	
Halal Certified	We hereby declare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Identification	CAS No: NA	EINECS No: NA
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Orange	
Odour	Characteristic	
Relative Density @ 20°C (g/ml)	0.903 - 0.922	
Refractive Index @ 20°C	1.461 - 1.481	
Optical Rotation @ 20°C	-10.0 to +10.0	
Helianthus Annuus Seed Oil	>88%	
Dunaliella Salina Extract	<10%	
Tocopherol	<0.10%	
Ascorbyl Palmitate	<0.10%	
FOOD ALLERGENS		
NONE PRESENT		
FRAGRANCE ALLERGENS		
NONE		
IFRA		
NONE		
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	When stored for more than 24 months, quality should be checked before use.	

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