

<b>1. Identification of the substances / mixture and of the company/undertaking.</b>		
<b>1.1 Product identifier:</b>		
<b>Substance name:</b>		
<b>Biological Definition:</b> $\beta$ -Carotene Infused in Sunflower Oil		<b>Product Name:</b> $\beta$ -Carotene Infused Sunflower Oil
<b>INCI Name:</b>	Helianthus Annuus Seed Oil, $\beta$ -carotene E-160a (i), alpha tocopherol E-307, ascorbyl palmitate E-304	
<b>Synonyms &amp; Trade Names</b>		
<b>EC NO:</b> 232-273-9 / 230-636-6 / 233-466-0	<b>CAS NO:</b> 8001-21-6 / 7235-40-7 / 10191-40-0	<b>EINECS CAS Number:</b> 232-273-9 / 230-636-6 / 233-466-0
<b>Index No:</b>	<b>Reach Registration No:</b> Exempt	
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>		
<b>Identified uses:</b>		
<b>Uses advised against:</b>		
<b>1.3 Details of the supplier of the safety data sheet</b>		
<b>Company</b>	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
<b>Email</b>	info@penny-price.com	
<b>1.4 Emergency Telephone Number</b>	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999	

<b>2. Hazards Identification</b>	
<b>2.1 Classification of the substance or mixture;</b> The full text for all hazard statements are displayed in Section 16.	
<b>Classified according to Regulation (EC) 1272/2008 (CLP)</b>	Not classed as a hazardous substance
<b>2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:</b> Label in accordance with Regulation (EC) No 1272/2008.	
<b>GHS Label</b>	Not classed as a hazardous substances.
<b>Signal Word.</b>	None
<b>Contains</b>	Contains no hazardous substances.
<b>Hazard statements.</b>	None
<b>Precautionary statements.</b>	None
<b>Supplementary Precautionary Statements:</b>	None
Section 16 (Other Information): Hazards & precautions phrases in full.	
<b>2.3 Other hazards – Results of PBT and vPvB According to Annex XIII</b>	No additional data available
<b>Adverse Physio-chemical Properties</b>	No additional data available
<b>Adverse Effects on Human Health</b>	No additional data available

<b>3. 1 Composition / information on ingredients:</b>			
<b>Substance name</b>	<b>Index number under CLP Annex VI</b>	<b>Weight % content (or range)</b>	<b>CL, M-Factor, ATE</b>
<b>Substances</b>	Not applicable		
<b>3.2 Mixtures</b>	Helianthus Annuus Seed Oil Beta-Carotene		

<b>4. First Aid Measures</b>	
<b>4.1 General</b>	
Inhalation	Move to fresh air. Seek medical attention if discomfort occurs.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
Skin contact	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues
Ingestion	Rinse mouth with plenty of water. Do not induce vomiting. Seek medical attention
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	
No additional data available.	
<b>4.3 Indication of any immediate medical attention and special treatment need</b>	
No additional data available.	
<b>5. Firefighting Measures</b>	
<b>5.1 Extinguishing Media:</b>	
<b>Suitable extinguishing media:</b>	Foam, CO2, Dry chemical powder
<b>Unsuitable extinguishing media:</b>	Do not use direct water jet on burning material.
<b>5.2 Special hazards arising from the substances or mixture:</b> None	
<b>Hazardous combustion products:</b>	If exposed to high temperatures, the product may release dangerous decomposition products such as carbon monoxide and dioxide.
<b>5.3 Advice for firefighters</b>	Use respiratory equipment suitable for the premises and products stored nearby. Packaging exposed to heat or open flames should be cooled with a fine water spray. Avoid allowing the resulting effluent to drain into the sewer system.

<b>6 Accidental release measures</b>	
<b>6.1 Personal precautions, protective equipment, and emergency procedures:</b> Remove sources of ignition. Provide adequate ventilation. Avoid contact with skin and eyes.	
<b>6.1.1 For non-emergency personnel</b>	
<b>Protective equipment:</b>	
<b>Emergency procedures:</b>	
<b>6.1.2 For Emergency responders</b>	
<b>6.2 Environmental precautions</b>	Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.

<b>6.3 Methods for cleaning up –</b>	Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with current laws and regulations. Clean up residues on affected areas with plenty of water and detergent.
<b>6.3.1 For containment:</b>	
<b>6.3.2 For cleaning up:</b>	
<b>6.3.3. Other information:</b>	
<b>6.4 Reference to other sections</b>	See sections 8 and 13.

<b>7. Handling and storage</b>	
<b>7.1 Precautions for safe handling:</b> Use in accordance with good industrial / laboratory procedures. Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.	
<b>Protective measures:</b>	
<b>Measures to prevent fire:</b>	
<b>Measures to prevent aerosol and dust generation:</b>	
<b>Measures to protect the environment:</b>	
<b>Advice on general occupational hygiene:</b>	
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Technical measures and storage conditions:</b>	
<b>Packaging Materials:</b>	
<b>Requirements for storage and vessels:</b>	Intrusion into soil to be avoided. Store the product in cool (between 5 – 10°C) and well-ventilated environment and keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.
<b>Storage Class: Further information on storage containers:</b>	
<b>7.3 Specific end use(s).</b>	Apply appropriate product hygiene according to the intended, final use.
<b>Recommendations:</b>	
<b>Industrial sector specific solutions:</b>	

<b>8. Exposure controls/Personal protection:</b>	
<b>8.1 Control parameters</b>	No additional data available.
<b>8.2 Exposure controls</b>	
<b>Process Conditions</b>	No additional data available.
<b>Engineering Measures</b>	No additional data available.
<b>8.2.2 Personal Protection equipment : Safety goggles, gloves</b>	
8.2.2.1 Eye / face protection	Safety glasses should be worn.
8.2.2.2 Skin Protection	No additional data available.
Hand protection	Gloves to be worn to prevent contact with skin.
Other skin protection	No additional data available.

Hygiene measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
8.2.2.3 Respiratory protection	No additional data available.
Ventilation	
8.2.2.4 Thermal hazards	
<b>8.2.3 Environmental exposure controls</b>	No additional data available.
<b>9. Physical and chemical properties- C of A</b>	
<b>9.1 Information on basic physical and chemical properties</b>	
Colour	Dark yellow to orange
Appearance	Liquid
Odour	Characteristic
Melting Point / freezing point	No additional data available
Boiling point /Initial boiling point & boiling range	No additional data available
Flammability	
Lower and upper explosion limit	
Flash point °C	No additional data available
Auto- ignition temperature	No additional data available
Decomposition temperature	
pH	
Kinematic Viscosity	
Solubility in Water @ 20°C	No additional data available
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	No additional data available
Density and /or relative density	
Relative Density	
Particle characteristics	
Explosive Properties	
Oxidising Properties	
<b>9.2 Other information</b>	No additional data available
Specific gravity @20°C	0.910 – 0.930
Optical rotation @ 20°C	
Refractive index @ 20°C	No additional data available
Typical analysis of major components	
<b>10. Stability and reactivity</b>	
<b>10.1 Reactivity</b>	No additional data available
<b>10.2 Chemical Stability</b>	Stable under the recommended handling and storage conditions.

<b>10.3 Possibility of hazardous reactions:</b>	None under normal use conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat, flames, sunlight and other sources of ignition. Oxidation and degradation of substance may occur.
<b>10.5 Incompatible Materials:</b>	Avoid contact with strong acids, strong alkalis and strong oxidising agents.
<b>10.6 Hazardous Decomposition Products</b>	At temperatures >300 °C acrolein may be formed.

## **11. Toxicological information**

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

#### **Information on Toxicological Effects**

<b>Acute toxicity:</b>	No additional data available
<b>Skin corrosion /irritation:</b>	No additional data available
<b>Seriously eye damage/irritation:</b>	No additional data available
<b>Respiratory or skin sensitisation:</b>	No additional data available
<b>Germ cell mutagenicity:</b>	No additional data available
<b>Carcinogenicity:</b>	No additional data available
<b>Reproductive toxicity:</b>	No additional data available
<b>Summary of evaluation of the CMR properties:</b>	
<b>STOT- single exposure,</b>	No additional data available
<b>STOT-repeated exposure:</b>	No additional data available
<b>Aspiration hazard:</b>	No additional data available
<b>Photo-toxicity</b>	No additional data available
<b>Other information</b>	No additional data available

## **12. Ecological information**

<b>12.1 Toxicity</b>	No additional data available
<b>12.2 Persistency &amp; degradability</b>	No additional data available
<b>12.3 Bio accumulative potential</b>	No additional data available
<b>12.4 Mobility in soil</b>	No additional data available
<b>12.5 Results of PBT and vPvB Assessment</b>	No additional data available
<b>12.6 Endocrine disrupting properties</b>	
<b>12.7 Other adverse effects</b>	No additional data available

## **13. Disposal considerations**

13.1 Waste treatment methods	The disposal should be in accordance with all applicable regulations. Do not discharge into drains, surface and ground water.
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:	Dispose of contents / container in accordance with local / regional / national / international regulations.

#### **14. Transport information**

14.1 UN Number or ID number; (Road) (Sea) (Air)	Not bound under transport regulations.
14.2 UN proper Shipping name	Not bound under transport regulations.
14.3 Transport hazard class(es)	Not bound under transport regulations.
14.4 Packing group	Not bound under transport regulations.
14.5 Environmental hazards	Not bound under transport regulations.
14.6 Special precautions for user	Not bound under transport regulations.
14.7 Transport in bulk according to ANNEX II OF MARPOL73/78 AND THE IBC CODE	Not bound under transport regulations.

#### **15 Regulatory information**

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

EU Directives	Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG (108). 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.2 Chemical Safety Assessment	No additional information available.

#### **16. Other information**

(i) <b>Indication of Changes: Revised Safety Data Sheet Format:</b> 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’.	
Complies with REACH guidance for SDS as circulated by ECHA 2011.	
(ii) <b>Abbreviations and acronyms:</b> <b>Hazard and /or Precautionary Statements in Full:</b> None	
(iii) <b>Key Literature references and sources of date.</b>	
(iv) <b>Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):</b>	
<b>Classification according to Regulation (EC) 1272/2008(CLP)</b>	<b>Classification procedure</b>
(v) <b>Relevant H-statements (number and full text):</b>	

<b>(vi) Training advice:</b>	
<b>(vii) Further information:</b>	
<b>Shelf life</b>	Minimum 12 months when stored in the advised conditions.
<b>QC requirements</b>	
In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.	
<b>Disclaimer:</b>	
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.	