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MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	Organic Safflower Oil				
Biological Definition	Carthamus Tinctorius Seed Oil is the oily liquid obtained from the seeds of Safflower, Carthamus tinctorius L., Compositae. It consists principally of the triglycerides of linoleic acid.				
INCI Name	Carthamus Tinctorius Seed Oil				
Synonyms & Trade Names	-				
CAS-No	8001-23-8	EC No.	232-276-5	EINECS No.	232-276-5

1.2 Relative identified uses of the substance or mixture and uses advised against

Component of; Food, Animal Food, Cosmetic products, Pharmaceutical products and Technical applications.

1.3 Details of the supplier of the safety data sheet

The Soap Kitchen
Unit 8
Caddsdwn Industrial Park
Clovelly Road
Bideford
EX39 3DX

1.4 Emergency Tel. No.

+ 44 (0) 1260 222 943

02. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Not classed as a hazardous substance.

Classification (EC 1272/2008)

Not classed as a hazardous substance.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

None.

Signal Word

None.

Contains

Contains no hazardous substances.

Hazard Statements

None.

Precautionary Statements

None.

Supplementary Precautionary Statements

None.

2.3 Other Hazards

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PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

100% Carthamus Tinctorius Seed Oil

CAS: 8001-23-8

Classification:

- Not classed as a hazardous substance.

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	None.
Ingestion	None.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.
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.

4.2 Most important symptoms and effects, both acute and delayed

No symptoms known.

4.3 Indication of any immediate medical attention and special treatment needed

None.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media:

- Carbon dioxide (CO₂).
- Dry Chemical Powder.
- Foam.

Unsuitable extinguishing media:

- Full water jet.

5.2 Special hazards arising from the product

This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard. Ignition hazard at welding at the empty container. Dangerous combustion residues: smoke, carbon monoxide, carbon dioxide.

5.3 Advice for firefighters

In case of fire; Use respirator.

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06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove sources of ignition, provide adequate ventilation, avoid contact with skin and eye contact.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.

6.3 Methods and material for containment and cleaning up.

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. If Spillage on water occurs; Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.

6.4 Reference to other sections

None.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.

7.2 Conditions for safe storage, including any incompatibilities

Intrusion into soil to be avoided. Store the product in cool (max. at room temperature) 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.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

None.

8.2 Exposure controls

Protective Equipment

No special measures required.

Process Conditions	No special measures required.
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Engineering Measures	No special measures required.
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Respiratory Equipment	No special measures required.
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Hand Protection	No special measures required.
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Eye Protection	No special measures required.
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Other Protection	No special measures required.
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Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	No special measures required.
Environmental Exposure Controls	Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear, light yellow liquid.
Colour	Light yellow.
Odour	Neutral.
Relative Density	Approx. 0.921 @ 20°C
Flash Point (°C)	>200
Refractive Index	Approx. 1.476 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	>350
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water. Soluble in oil and ethanol.
Auto-ignition temperature (°C)	No additional data available.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Oxidation with atmospheric oxygen. Formation of free fatty acids.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions

Reacts with oxidants.

10.4 Conditions to Avoid

Avoid heat, flames, sunlight and other sources of ignition.

10.5 Incompatible materials

Avoid contact with strong oxidising agents.

10.6 Hazardous Decomposition Products

Product does not decompose at proper handling.

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11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	<p>In compliance with generally accepted uses and quantities are no negative impacts to be expected.</p> <p>LD50 oral: not determined LD50 dermal: not determined LC50: not determined</p> <p>Inhalation: There is no expected negative impact. Ingestion: There is no expected negative impact. Skin contact: There is no expected negative impact. Eye contact: There is no expected negative impact.</p>
Skin corrosion / irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Serious eye damage / irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Respiratory or skin sensitisation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No expected negative impact.
Reproductive toxicity	No expected negative impact.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No additional data available.

12.2 Persistence & degradability

Biodegradable.

12.3 Bioaccumulation Potential

Possible.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and vPvB Assessment

No additional data available.

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road No additional data available.

UN No. SEA No additional data available.

UN No. AIR No additional data available.

14.2 UN proper shipping name

No additional data available.

14.3 Transport hazard class(es)

No additional data available.

14.4 Packing group

No additional data available.

14.5 Environmental hazards

No hazard label necessary – non-hazardous product.

14.6 Special precautions for user

See sections 6 – 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not defined.

15. REGULATORY INFORMATION

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

An assessment has not been executed.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full

None.

Revision Date

23/01/2020

Rev No

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