Material Safety Data Sheet

THISTLE OIL
(SAFFLOWER OIL)

Date: August 2015

1. Product and Supplier Description

Trade Name: Thistle Oil (Safflower Oil)
INCI: Carthamus Tinctorius Seed Oil

Supplier:
Aromantic Ltd
17 Tytler Street
Forres
Moray
IV36 1EL
Tel: 01309 696900
Fax: 01309 696911
Email: info@aromantic.co.uk

2. Hazards Identification

General hazards: None.

3. Composition and Ingredient Information

Substance: Oil – mix of triglycerides vegetable
CAS Number: 8001-23-8
EINECS Number: 232-276-5
Customs Tariff Number: 15121999 (00)
Country of Origin: France, South America or USA

4. First Aid Measures

Skin contact: Wash off with soap and water.
Eye contact: Wash and rinse with plenty of water.
Ingestion: Harmless. Don't induce vomiting–seek medical advice.
Inhalation: Not applicable – in case of inhalation, call a doctor.

5. Fire Fighting Measures

Suitable Extinguishers: Water mist, carbon dioxide, or foam.
Unsuitable extinguishers: Water jet.
Protective Clothing: Fire fighters should wear protective clothing and approved respirator.
Hazards: Unknown.

6. Measures in case of accidental release
Personal precautions: Avoid skin and eye contact.
Environmental precautions: Should not go into drains and watercourses.
Cleaning: Into waste container.

7. Handling and Storage
Handling: Wash hands before and after use.
Storage: In a cool dry room avoiding exposure to light.

8. Exposure Controls/Personal Protection
Control parameters: Maximum value of exposure to fumes of vegetable Oils TLV-TWA: 10mg/m³
Personal protection equipment: Safety glasses, rubber gloves and overalls.

9. Physical and Chemical Properties
INCI Name: Carthamus Tintorius Seed Oil
CAS No: 8001-23-8
EC No: 232-276-5
REACH: Exempt according to Annex V, paragraph 9

Description: A pale yellow to orange liquid with a typical odour and taste. Cold pressed from the seeds of Carthamus Tintorius and further refined.
Application: Cosmetic applications.
Origin: Italy, Spain, France, South America or USA.

TYPICAL ANALYTICAL CHARACTERISTICS:
Acid Value (mg KOH/g): 1.0 maximum
Peroxide Value meqO2/kg oil: 10.0% maximum
Refractive Index @ 20°C: 1.473 – 1.479
Iodine Value: 135 – 150
Saponification Value (mg KOH/g): 188 – 194
Unsaponifiable matter: 1.0% maximum
Relative Density @ 20°C: 0.918 – 0.924
Flash Point: >300°C (open cup)
Solubility: Insoluble in water
Melting Point/freezing point: <-15°C

Shelf Life: Recommend user re-tests after 12 months storage.
Storage: In original tightly sealed container away from heat and light.

TYPICAL FATTY ACID PROFILE % GLC:
C16:0 PALMITIC ACID: 4 - 10
C16:1 PALMITOLEIC ACID: 0.5 maximum
C18:0 STEARIC ACID: 1.0 – 5.0
C18:1 OLEIC ACID: 8.0 - 21
C18:2 LINOLEIC ACID: 68.0 -83.0
C18:3 ALPHA LINOLENIC ACID: 0.5 maximum
C20:0 ARACHIDIC ACID: 0.5 maximum
C20:1 EICOSENOIC ACID: 0.5 maximum
C22:0 BEHENIC ACID: 1.0 maximum

10. Stability and Reactivity
Materials to avoid: Alkaline compounds, caustics, and alkalis with exothermic properties.
Hazardous decomposition products: Unknown.

11. Toxicological Information
- Not irritant.
- No evidence of hypersensitivity on skin contact and harmless if inhaled or ingested.

12. Ecological Information
Biodegradability:
- Not determined.
- Insoluble in water.

13. Disposal Considerations
- Dispose of according to local and national regulations.

14. Transport Information
- No special requirements and no restrictions on transportation by land, sea or air.
- Not classified as hazardous.

15. Regulatory Information
Not classified as hazardous.
APPROVED CODE OF PRACTICE: Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES: Workplace Exposure Limits EH40

16. Other Information

The information contained herein is accurate to the best of our knowledge from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users’ responsibility to determine the safe conditions for use of this product.