MATERIAL SAFETY DATA SHEET FOR
Sunflower Oil
Helianthus Annuus Product Reference T590  CAS NO 8001-21-6

1. CHEMICAL COMPOSITION: INCLUDING HAZARDOUS COMPONENTS:
This Carrier Oil is obtained by the expression of the Sunflower seed. Chemically it is the glycerol esters of the fatty acids- typically it is 63-65% Linoleic Acid.

The oil is non hazardous but is labelled according to regulation 96/54/EC.

2. HAZARDOUS IDENTIFICATION:
This product is not hazardous

3. FIRST AID PROCEDURES:
Skin Contact:   Wash off with soap and water
Eye Contact:   Rinse with sterile water
Inhalation:   Oil is non volatile
Ingestion:    If swallowed do not induce vomiting, seek medical advice.

4. FIRE FIGHTING PROCEDURES:
Suitable Extinguishers: Normal extinguishers can be used (CO₂, powders, foams, halogens).
Unsuitable Extinguishers: Direct water jet.
Fire Hazard:   Products of combustion – Oxides of Carbon, burning fumes are acrid.

5. ACCIDENTAL RELEASE PROCEDURES:
Safety Clothing:   Wear clothing suitable for an emergency.
Environmental Precautions: Contain the leak with earth or sand. Prevent from entering drains and sewers; if this cannot be done advise the local authority.
Clean Up Procedure: Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.

6. HANDLING & STORAGE PROCEDURES:
Handling:   Avoid spillage and eye contact (gloves and goggles recommended).
Ventilation: Good general ventilation required.
Storage Conditions: Store at ambient temperature in a dark container. Store away from oxidizing substances e.g. Bleach. Store in full containers; Stainless Steel for bulk or glass for small quantities.
7. EXPOSURE CONTROL/PERSONAL PROTECTION:

Respiratory: Use only in well ventilated areas. Use protection in poor ventilation.
Hand Protection: Wear gloves
Eye Protection: Wear goggles
Skin Protection: Wear suitable protection clothing

8. PHYSICAL & CHEMICAL PROPERTIES:

Appearance: Mobile Liquid.
Odour: Typical Vegetable oil
Colour: Pale Straw
Solubility:  
  a. Solvent – Soluble  
  b. Alcohol – Slightly soluble  
  c. Water – Insoluble
Specific Gravity: 25°C 0.915 – 0.920

9. REACTIVITY & STABILITY:

The oil is stable under normal storage conditions. After opening, the oil is prone to air oxidation and may start to deteriorate after six months.

Synergistic Reaction: None
Materials to avoid: Oxidizing agents
Polymerisation Hazard: None

10. TOXICOLOGICAL INFORMATION:

Hazardous Effects
Inhalation: None
Skin Contact: None
Eye Contact: None
Ingestion: None

11. ECOLOGICAL DATA

This product is not known to be harmful to the environment.

12. DISPOSAL METHODS:

Recover the product where possible or bury in authorised landfill sites according to local authority regulations.

13. TRANSPORT REGULATIONS:

Road: Not required
Rail: Not required
Air: Not required

14. REGULATORY INFORMATION:

Labels for Conveyance: R10 R10
Labels for Supply: R10 R22 R65 S62

15. FURTHER INFORMATION:

Whilst Absolute Aromas Ltd give the above advice in good faith, it is not intended to be a substitute for customers own testing to ascertain good safety procedures.
These regulations were designed for handling bulk products and to readily identify Toxic & Safety Data. Safety information is under continuous review.

MSDS – Sunflower Oil  T590 ABSOLUTE AROMAS – OCT 2008