

MATERIAL SAFETY DATA SHEET

01 September 2016

SOFT OILS

1. IDENTIFICATION

Product Name: Crude, Refined and Bleached or Refined Bleached and Deodorised oils of the type: Corn, Canola, Groundnut, Linseed, Olive, Safflower, Sesame, Soyabean, Sunflower, Rapeseed, Grapeseed.

Description: Clear yellow to brown crude oils to pale yellow or golden coloured refined oils with little or no odour.

Uses: Edible oils, deep frying, margarines and inedible surface coatings and resins, printing inks.

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2. HAZARDS IDENTIFICATION

Non Hazardous

3. COMPOSITION

Ingredients:

Description: Clear yellow to brown crude oils to pale yellow or golden coloured refined oils with little or no odour.

4. FIRST AID MEASURES

Swallowed: Should pass safely through digestive system. Seek medical attention if irritation occurs.

Eye: Flush out with water. Seek medical attention if irritation occurs.

Skin: Wash off with water. Seek medical attention if irritation occurs and persists.

Inhaled: Seek fresh air. Seek medical attention if irritation occurs.

Aggravated Medical Conditions caused by Exposure: Hot liquid can burn mouth, eyes and skin.

5. FIRE FIGHTING MEASURES

Extinguishing Media: In the event of a fire, extinguishing media can include foam, dry chemical and carbon dioxide. Water may be ineffective. Cool exposed containers with water.

Hazards from Combustion Products: Under fire conditions, product will emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Special Protective Precautions and Equipment for Fire Fighters: Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

Flammability Conditions: Combustible liquid. Flash point 260°C min. Ignition temperature 300°C min. Heat of combustion – 10,000 cal/g.
NFPA rating: RED.

Other Info: Oils absorbed in clay or rags may auto ignite if heated previously above 100 degrees Celsius. Particular care should be given to Linseed Oil rags as they might auto ignite.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Contain all spills. Contaminated floors may be slippery.

Methods and Materials for Containment and Clean Up: Effective cleanup when cold (solid) with scrapers, when hot with sand. Aquatic effects minimal, biodegradable. May foul shoreline.

Disposal: Notify pollution control agency.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Not hazardous unless hot liquid, contact with eyes to be avoided and on skin if hot.

Conditions for Safe Storage: Store in a cool, dry, well ventilated area.

Container Type: Vented tanks, railcars or road tanks, IBC's, steel drums.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: N/A

Personal Protection: Goggles and face shield if hot liquid. Otherwise chemical safety goggles will suffice. Wear protective gloves and clothing if hot liquid.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear yellow to brown crude oils to pale yellow or golden coloured refined oils.

Odour: Little or no odour.

Solubility in Water: Nil

Specific Gravity: 0.89-0.90 @ 15°C.

Viscosity: 25-96 cp @ 30°C.

Freezing Point: -25°C to -16°C (typical)

Flash Point: 230°C - 250°C (typical)

Boiling Point: 260°C - 280°C (typical)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use and storage.

Conditions to Avoid: Avoid extreme heat and high temperatures.

Incompatible Materials: Oxidizing agents and sources of ignition.

Hazardous Decomposition Products: Under fire conditions, product will emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Hazardous Reactions: Polymerization above 300°C but not hazardous.

11. TOXICOLOGICAL INFORMATION

Toxicity Data: N/A

HEALTH EFFECTS –

Swallowed: Unlikely to be swallowed in harmful quantities.

Eye: May cause redness, itching and irritation.

Skin: Prolonged or repeated exposure to skin may cause skin inflammation.

Inhaled: Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

12. ECOLOGICAL INFORMATION

Eco-Toxicity: N/A

Persistence and Degradability: Biodegradable

13. DISPOSAL CONSIDERATIONS

Disposal: Notify pollution control agency and follow regulatory law.

Special Precautions for Landfill or Incineration: Contact pollution control agency for advice.

14. TRANSPORT INFORMATION

Land Transport: Transport at ambient temperatures and atmospheric pressure.

Sea Transport: Transport at ambient temperatures and atmospheric pressure.

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

N/A