



MATERIAL SAFETY DATA SHEET
SULFATED CASTOR OIL

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: SULFATED CASTOR OIL (TURKEY RED OIL)
Product Use: Personal Care Formulations
Company Name: Saffire Blue Inc.
Company Address: 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada
Date Issued: 02/02/2010
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients:
SULFATED CASTOR OIL (TURKEY RED OIL) 100%
Definition: Sulfated castor oil is a reaction product of 96% sulfuric acid with castor oil, with a starting acid concentration of 20%
Hazardous Components: None
CAS #: 8002-33-3

3. HAZARDS IDENTIFICATION

Xi: Irritant
Routes of Entry
Eye Contact: Irritating to eyes
Skin Contact: Irritating to skin
Chronic Exposure: No information

4. FIRST AID MEASURES

Eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
Skin: Wash with soap and water- get medical attention if irritation persists.
Ingestion: Rinse mouth with water. Seek medical advice immediately.
Inhalation: Remove to fresh air. Seek medical attention if irritation occurs.
Medical Conditions Generally Aggravated by Exposure: None

5. FIRE FIGHTING MEASURES

Flash Point (Method Used): > 300 °C, in dry residue
Auto Ignition Temperature:
Flammable Limits:

LEL:	Not Established
UEL:	Not Established
Extinguishing Media:	Dry Chemical, Carbon Dioxide, Foam
Special Firefighting Procedures:	Limit the spread of oil. Avoid inhalation of vapor. Keep away from sources of ignition. Use positive pressure, self-contained breathing apparatus and protective clothing.
Unusual Fire & Explosion Hazards:	Keep free of ignition sources. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Precautions:	Avoid inhalation of vapor and direct contact with eyes and skin. Use individual protective clothing.
Methods for Cleaning Up:	Ventilate area. Prevent entry into waterways. Absorb onto an inert, absorbent substrate and sweep up. Do not use combustible materials, such as saw dust. Wash area with soap and water to prevent slip/fall hazard.

7. HANDLING AND STORAGE

Handling	
Safe Handling:	Apply good manufacturing practice and industrial hygiene practices, ensure proper ventilation. Do not eat, drink or smoke during handling. Keep away from fire and open flames. Protect from freezing.
Storage	
Requirements for Storage Areas and Containers:	Store in a cool, dry location, in a sealed container. Minimize contact with air and exposure to light. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye:	Safety glasses should be worn.
Skin/Body:	Gloves and protective clothing should be worn.
Respiratory:	Use adequate ventilation or NIOSH-approved respiratory devices. A mechanical exhaust/ventilation or fume collection system may be used if deemed necessary according to application.
Ventilation:	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
Other:	Normal work and hygiene practices for handling non-hazardous liquid material.
Work/Hygiene Practice:	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear, amber yellow
Odor:	Characteristic, fatty
pH: (10% solution)	8.0–9.5
Acid Value:	3.0–9.0

10. STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage
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Incompatibility (Materials to Avoid):	Avoid contact with flames, strong acids, alkali or oxidizers.
Hazardous Decomposition or Byproducts:	Liabile to cause smoke and acrid fumes during combustion; CO, CO2 and trace oxides of sulphur and other non identified organic compounds may be formed.
Conditions to Avoid:	Excessive heat or freezing
Hazardous Polymerization:	Will Not Occur

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Exposure:	No data available
LD50/LC50	No data available
Medical Conditions Generally Aggravated by Exposure:	None
Irritancy:	Skin: Irritant Eyes: Irritant
Carcinogenicity:	No Data
Reproductive Toxicity:	No Data
Teratogenicity:	No Data
Mutagenicity:	No Data
Name of toxicologically synergistic products:	N/A

12. ECOLOGICAL INFORMATION

Biodegradation:	Readily degrades
Fish Toxicity:	No Data
Bacterial Toxicity:	No Data

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:	Do not put into sewer lines. Dispose of according to local, state and federal regulations.
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14. TRANSPORT INFORMATION

ADR/RID	N/A
IATA/ICAO:	N/A
IMDG:	N/A

15. REGULATORY INFORMATION

Hazards:	Irritant
Symbols:	Xi
Risk Phrases:	R36/38: Irritating to eyes and skin S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with water and seek medical advice.
Safety Phrases:	S36/37/39: Wear suitable protective clothing, gloves and eye/ face protection.

16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.