

Material Safety Data Sheet

Roselle Seeds Oil

Version N° 2

Date Implemented : July 2012

Reference: 03HC/C

1/ COMPANY DETAILS

Company: Med-Exoil Sarl
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2/ PRODUCT IDENTIFICATION AND COMPOSITION

2.1 Botanical Name: Hibiscus Sabdariffa
2.2 Product Code: OCOVROSSEL
2.3 Product Type:: Natural vegetable oil
2.4 USA INCI Name: HIBISCUS SABDARIFFA Seed Oil
2.5 EU INCI Name: HIBISCUS SABDARIFFA SEED OIL
2.6 Ingredients:

Component Entity	CAS Number	EINECS Number	Proportions [%w/w]
Roselle Seed Oil	84775-96-2	283-920-7	100% pure

2.7 Uses: Fragrance Ingredient; Skin Conditioning Agent – Occlusive.

Bath preparations, miscellaneous; Body and Hand preparations [Excluding shaving preparations]; Moisturising preparations; Skin care preparations, miscellaneous; Bath oils, tablets, and salts; Cleansing products [Cold creams, cleansing lotions, liquids and pads]; Bath capsules; Face and Neck preparations [Excluding shaving preparations]; Hair conditioners; Eyebrow pencils; Suntan gels, creams, and liquids; Night skin care preparations; Tonics, dressings, and other Hair grooming aids; Bath soaps and detergents; Paste masks [Mud packs]; Indoor tanning preparations; Powders [Dusting and Talcum, excluding aftershave talcs]; Shampoos [Non-colouring]; Baby lotions, oils, powders and creams; Fragrance preparations, miscellaneous; Eye makeup preparations, miscellaneous; Hair sprays [Aerosol fixatives]; Lipsticks; Personal cleanliness products, miscellaneous; Suntan preparations, miscellaneous.

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3/ HAZARD IDENTIFICATION

3.1 Physical - Chemical Hazards

Explosion:	None identified.
Flammable:	Combustible liquid produces oxides of carbon when burning.
Oxidizing:	Not applicable.
Toxic:	None identified.
Radioactive:	Not applicable.
Corrosive:	None identified.
Miscellaneous:	None identified.

3.2 Environmental Hazards: None identified.

3.3 Health Hazards

Acute Effects: Swallowed:	Non-toxic, However excessive ingestion of liquid can cause gastric distress and mild diarrhea.
Eye:	May cause mild irritation.
Skin:	None established
Inhalation:	May be harmful.
Chronic Effects:	None established.
Mutagenic Effects:	None established.
Reproductive Effects:	None established.
Carcinogenic Effects:	None established.
Sensitisation:	None established.
Infectious:	None established.
Other Effects:	Combustion Products are harmful if inhaled and can irritate the eyes & respiratory system. Contact with heated material may result in burns.

4/ FIRST AID

4.1 Eye Contact:	Flush immediately with clean water for at least 15 minutes. Ensure irrigation under eyelids. Do not try to remove contact lenses unless trained. Contact a physician as necessary.
4.2 Skin Contact:	Remove any contaminated clothing and footwear. Clean before re-use. Wash affected areas thoroughly with soap and water for at least 15 minutes. Contact a physician as necessary.
4.3 Inhalation:	Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available. Contact a physician as necessary.
4.4 Ingestion:	Do Not induce vomiting. Wash out mouth with water and give water slowly to dilute [as much as casualty can comfortably drink] provided person is conscious. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconsciousness. Contact a physician or local poison control centre immediately. If vomiting occurs, lean patient forward or place on left side [head-down position, if possible] to maintain open airway and prevent aspiration.
4.5 Burns:	Quickly immerse affected area in cold water for at least 20 minutes. Contact a physician immediately. Bandage lightly with a sterile dressing. Treat for shock if required. Lay patient down. Keep warm and rested. Transport to hospital, or doctor.
4.6 Advice to Doctor:	Treat symptomatically. Note the nature of this product.

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5/ FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media:** Carbon Dioxide; Dry Chemical; Universal-Type Foam.
- 5.2 Unsuitable Extinguishing Media:** Water Spray; Others not established.
- 5.3 Unusual Firefighting Hazards:** None identified.
- 5.4 Special Procedures:** Determine the need to evacuate or isolate the area according to your local emergency plan.
- 5.5 Protective Equipment:** Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.
- 5.6 Combustion Products:** Oxides of carbon.
- 5.7 Contact Point:** Dial 198 Emergency in case of fire [In Tunisia] or Local Emergency Authority [Out of Tunisia].

6/ ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.
- 6.2 Safety Precautions:** Eliminate ALL ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan;
- 6.3 Environmental Precautions:** Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.
- 6.4 Methods For Cleaning Up:** Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent. Refer also to Section 13. for disposal procedures.

7/ SAFE HANDLING AND STORAGE INFORMATION

- 7.1 Handling:** Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.
- 7.2 Storage:** Not a hazardous material. Not a Scheduled Poison. Containers should be kept closed in order to minimise contamination. Store in a cool, dry, well ventilated place protected from light. Refrigeration storage recommended. Keep from extreme heat and away from ALL sources of ignition.
- 7.3 Unsuitable Packaging Materials:** None established.
- 7.4 Special Procedures:** None established.

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8/ EXPOSURE CONTROLS AND PERSONAL PROTECTION

- 8.1 Respiratory Protection:** None generally required. Use NIOSH approved respirator in confined areas or if ventilation is inadequate.
- 8.2 Ventilation Protection:** Ensure adequate ventilation to keep exposure levels to a minimum. General exhaust is recommended.
- 8.3 Eye Protection:** Using goggles or face shield is recommended.
- 8.4 Protective Gloves:** Using chemical resistant gloves is recommended.
- 8.5 Protective Clothing:** Using chemical resistant clothing is recommended.
- 8.6 Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work area.
- 8.7 Special Engineering Controls:** None established.
- 8.8 Note:** These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions

9/ STABILITY AND REACTIVITY

- 9.1 Stability:** Chemically stable, non hazardous material.
This material presents no significant reactivity hazard.
- 9.2 Conditions to Avoid:** None established.
- 9.3 Materials to Avoid:** Strong acids, strong alkalis and oxidizing agents.
- 9.4 Flammability:** Combustible liquid.
- 9.5 Hazardous Polymerization:** Will not occur.
- 9.6 Hazardous Combustion or Decomposition Products:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

10/ TOXICOLOGICAL INFORMATION

- 10.1 Acute Toxicity**
- LD50 [Oral]:** Not tested on animals – So not available.
- LD50 [Dermal]:** Not tested on animals – So not available.
- LC50 [Inhalation]:** Not tested on animals – So not available.
- 10.2 Exposure Limits**
- OSHA TWA:** None established.
- OSHA STEL:** None established.
- ACGIH TWA:** None established.
- ACGIH STEL:** None established.
- NOHSC TWA:** None established.
- NOHSC STEL:** None established.
- 10.3 Short Term Toxicity:** None established.
- 10.4 Long Term Toxicity:** None established.
- 10.5 Human Exposure Tests:** None established.

11/ ECOLOGICAL INFORMATION

- 11.1 Eco-toxicity:** None established. Avoid pollution to soil, rivers and the ocean.
- 11.2 Mobility:** Low mobility in the soil.
- 11.3 Persistence & Degradability:** Low persistence level and readily biodegradable.
- 11.4 Bio-accumulative Potential:** None established.
- 11.5 Other Adverse Effects:** None established.

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12/ DISPOSAL CONSIDERATION

- 12.1 Waste Material:** Place material and / or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
- 12.2 Contaminated Packaging:** Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
- 12.3 Note:** Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well.

13/ TRANSPORT INFORMATION

- 13.1 Transportation:** Not Dangerous Goods according to criteria of the Dangerous Goods Code for Transport by Road and Rail. No special transport required. Not to be transported with Classes 1 [Explosives], 2.1 [Flammable Gases] [nb this applies only when in bulk], 2.3 [Poisonous Gases], 4.2 [Spontaneously Combustible Substances], 5.1 [Oxidising Agents], 5.2 [Organic Peroxides], 7 [Radioactive Substances].
- 13.2 Proper Shipping Name:** Not Regulated.
- 13.3 UN Number:** Not allocated.
- 13.4 Packaging Group:** Not allocated.
- 13.5 DG Class:** Not allocated.
- 13.6 Poison Schedule:** Not Scheduled.
- 13.7 Hazchem Code:** Not allocated

14/ REGULATORY INFORMATION

- 14.1 Risk Symbols:** Not allocated.
- 14.2 Risk Phrases:** Not allocated.
- 14.3 Safety Phrases:** Not allocated.
- 14.4 Warning Statements:** Not allocated.
- 14.5 Safety Directions:** Not allocated.
- 14.6 Standard Statements:** Not allocated

15/ ADDITIONAL INFORMATION

15.1 QUALITY DECLARATION

At Med-Exoil we firmly believe that Quality Control is of the utmost importance and it is imperative that the most meticulous tests are carried out for every product in our range.

Uncompromising quality is a responsibility, which we take seriously.

The most rigorous processes are implemented to determine the purity and potency of sourced oils & raw materials.

By maintaining this intense level of Quality Control and Developing New Methods & Techniques, Med-Exoil can ensure Superior Quality Products.

This Roselle seed Oil has been tested and it conforms to our High Standard Quality requirements.

15.2 DISCLAIMER

The information contained in this Certificate of Analysis and Material Safety Data Sheet are obtained from current and reliable sources. Med-Exoil provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Material Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product. This document is thus, intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product.

Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. As the ordinary or otherwise use(s) of this product is outside the

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control of Med-Exoil, no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. Med-Exoil expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Med-Exoil as to the fitness for any use. The liability of Med-Exoil is limited to the value of the goods and does not include any consequential loss. Med-Exoil shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

Med-Exoil shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

15.3 MANUFACTURED PRODUCTS INGREDIENT DISCLAIMER

As the availability of ingredients and raw materials is not always certain whether due to changes in nature or otherwise, Med-Exoil reserves the right to substitute alternate ingredients/raw materials in the manufacture of its products and bases in order to maintain supply to its customers. Customers should always refer to the ingredients label as affixed to each product or to specification sheets which are current at the time of supply of the product.

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MEDITERRANEAN EXTRACTION OF OIL