MATERIAL SAFETY DATA SHEET
MSDS REFINED ROSEHIP OIL
According REACh regulation 1907/2006

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: REFINED ROSEHIP OIL
INCI Name: Rosa Canina Fruit Oil, Rosa Rubiginosa Seed Oil, Rosa Eglanteria Seed Oil, Rosa Moschata Oil
Botanical Name/ CAS Number: Rosa Canina Fruit Oil / 84603-93-0/84696-47-9
Botanical Name/ EINECS Number: Rosa Canina Fruit Oil / 283-652-0
Botanical Name/ CAS Number: Rosa Moschata Oil / 84603-93-0
Botanical Name/ EINECS Number: Rosa Moschata Oil / 283-652-0
Botanical Name/ CAS Number: Rosa Rubiginosa Seed oil / 92347-25-6
Botanical Name/ EINECS Number: Rosa Rubiginosa Seed oil / 296-213-3
Botanical Name/ CAS Number: Rosa Eglanteria Seed Oil / 223748-18-3
Botanical Name/ EINECS Number: Number – not defined
Product Use: Personal Care formulations, Cosmetic and aromatherapy ingredient
Company Name: Natural Oils Chile S.A.
Company address: Esquina Blanca N° 1117 – Maipú – Chile
Company e-mail: info@naturaloils.cl
Telephone Number: (56-2) 2676.3300

2. HAZARDS IDENTIFICATION

General: There are no potential health effects expected from handling this material. GMP practices are recommended when handling the product. There is no significant laboratory data to suggest any hazards.
Inhalation: Short-term harmful health effects are not expected from vapour generated at room temperatures.
Eye Contact: May cause some moderate eye irritation.
Skin Contact: May cause some irritation or discomfort.
Class: C1 Combustible Liquid
Not a SUSMP Scheduled Poison

3. COMPOSITION INFORMATION

Ingredients: 99,97% Refined Rosehip Oil, 0,03 % Mixed tocopherols. CAS Number not single defined
FDA/IFRA: not restricted
Hazardous Components: None

4. FIRST AID MEASURES

Inhalation: Remove from the exposure to fresh air. Contact a physician as necessary.
Eye Contact: Flush immediately with clean water for at least 15 minutes. Do not try to remove contact lenses unless trained. Contact a physician as necessary.
Skin Contact: Remove any contaminated clothing and footwear. Clean before reuse. Wash affected areas thoroughly with soap and water for at least 15 minutes.
Ingestion: Do not induce vomiting. If vomiting occurs, lean patient forward or place on left side, to maintain open airway and prevent aspiration, contact a physician.
MATERIAL SAFETY DATA SHEET
MSDS REFINED ROSEHIP OIL
According REACh regulation 1907/2006

5. FIRE FIGHTING MEASURES

Flash Point >200 C
Extinguishing Media Use water spray, carbon dioxide, alcohol type or universal type foam applied in accordance with the manufacturer’s instructions.
Fire Fighting Procedures Because fire may produce toxic thermal decomposition products, fire fighters must wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive pressure mode. Do not release runoff from fire control methods to sewers or waterways. Collect for disposal in accordance with applicable federal, state or local regulations. Follow applicable OSHA regulations (29 CFR 1910-120).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use of self-contained breathing apparatus is recommended for any major chemical spill.
Safety Precautions Eliminate ignition sources and ventilate area. If necessary evacuate or isolate the area according to emergency plan.
Environmental Precautions Keep away from drains, surface and ground water. Report spills to appropriate authorities if required.
Methods For Cleaning Up Contain spill and recover free product. Absorb remainder on suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent.

7. HANDLING AND STORAGE

Handling Keep away from sources of ignition and open flames. Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash hand after any contact with the product. Contaminated clothing and shoes should be cleaned before re-use.
Storage Store in a cool, dry, well-ventilated place protected from light. Keep away from extreme heat and from all sources of ignition. Maintain containers and close basins and as much as possible with nitrogen atmosphere for its conservation.
Unsuitable Packaging Materials None established
Containers Plastics or metallic containers recommended. The metallic drums must be covered with interior coating in order to avoid direct contact with iron, catalytic of the oxidation.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye Protection Use of goggles or face shield may be recommended.
Protective Gloves Use of chemical resistant gloves may be recommended.
Protective Clothing Use of chemical resistant clothing may be recommended.
Protective Equipment Eyewash fountain or safety shower may be available.
Exposure Limits Blanket recommendation of 10 mg/m3 for inspirable dusts or mists (limits
MATERIAL SAFETY DATA SHEET
MSDS Refined Rosehip Oil

According REACH regulation 1907/2006 have not otherwise been established).

OSHA TWA None established
OSHA STEL None established
ACGIH TWA None established
ACGIH STEL None established
NOHSC TWA None established
NOHSC STEL None established

9. PHYSICAL AND CHEMICAL DATA

Flavour/Aroma Mild / Characteristic.
Density 20 ° C, g / cc 0,924-0,931
Free fatty acids, % oleic acid 1,5 max.
Peroxide value, meq O2/Kg 5,0 max.
Sap. Index, mg KOH / g 175 – 195
Unsaponification matter, % p / p 1,5 max.
Moisture & Impurities, % 0.05 max.
Gardner Color 2-5
Cold Test 1,5 hr.

Average Fatty Acid Profile,% of methyl esters Area

<table>
<thead>
<tr>
<th>Fatty Acid</th>
<th>C16:0</th>
<th>C18:0</th>
<th>C18:1</th>
<th>C18:2</th>
<th>C18:3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palmitic Acid</td>
<td>3,0 – 5,0</td>
<td>1,0 – 3,0</td>
<td>13,0 – 18,0</td>
<td>35,0 – 50,0</td>
<td>22,0 – 38,0</td>
</tr>
<tr>
<td>Stearic Acid</td>
<td>1,0 – 5,0</td>
<td>1,0 – 3,0</td>
<td>13,0 – 18,0</td>
<td>35,0 – 50,0</td>
<td>22,0 – 38,0</td>
</tr>
<tr>
<td>Oleic Acid</td>
<td>13,0 – 18,0</td>
<td>35,0 – 50,0</td>
<td>22,0 – 38,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
</tr>
<tr>
<td>Linoleic Acid</td>
<td>35,0 – 50,0</td>
<td>22,0 – 38,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
</tr>
<tr>
<td>Linolenic Acid</td>
<td>22,0 – 38,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
</tr>
<tr>
<td>Arachidonic Acid</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
</tr>
<tr>
<td>Gadoleic Acid</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
<td>0,0 – 1,0</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability Product of low stability if exposed to the action of catalysts oxidation, such as iron, copper, nickel, cobalt, cadmium and zinc; also it is affected by temperature, light and oxygen.

Incompatibility Avoid strong oxidizers.

Hazardous Decomposition Alcohols, ketones, hydro peroxides and aliphatic and aromatic hydrocarbons

Conditions to avoid Not applicable.

11. TOXICOLOGICAL INFORMATION

Health hazards:

Acute Effects
Eye, may be harmful
Swallowed, may be harmful
Skin, may be irritant
Inhalation, may be harmful

Chronic effects None identified
Reproductive effects None identified
Mutagenic effects None identified
Carcinogenic effects None identified

Acute Toxicity
MATERIAL SAFETY DATA SHEET
MSDS REFINED ROSEHIP OIL
According REACh regulation 1907/2006

LD50 (Oral) Not available
LD50 (Dermal) Not available
LD50 (Inhalation) Not available
Short Term Toxicity Not available
Long Term Toxicity Not available
Human Exposure Tests Not available

ECOLOGICAL INFORMATION
Biotic Degradation Biodegradable.
Eco Toxicity None established, avoid pollution
Persistence Low persistence level
Bio accumulative potential None established
Other adverse effects None established

13. DISPOSAL CONSIDERATIONS
Waste Disposal Methods Dispose of according to local, state and federal regulations.
Contaminated packaging Dispose of according to local, state and federal regulations.

14. TRANSPORT INFORMATION
DOT Classification Not regulated
Class/division Not restricted
Proper Shipping Name Not applicable
Label None
Packing Group Not applicable
ID Number Not applicable
Hazardous Not applicable
UN Number Not allocated
IMGD Class Not allocated
EMS Number Not allocated

15. REGULATORY INFORMATION
Not applicable

16. OTHER INFORMATION
This information is provided for documentation purposes only. This product is not considered hazardous. 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.