Vitamin A (retinyl palmitate)

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Vitamin A (retinyl palmitate)  
Distributor: MakingCosmetics.com Inc.  
Address: 10800 231st Way NE  
Redmond, WA 98053 (USA)  
Phone / Fax: 425-292-9502 / 425-292-9601  
Web: www.makingcosmetics.com

2 HAZARDS IDENTIFICATION

GHS Classification:  
Repr. 1B, Aquatic Chronic 4

GHS Signal Word: WARNING

GHS Hazard Pictograms:  

GHS Hazard Statements:  
H360: May damage fertility or the unborn child  
H413: May cause long lasting harmful effects to aquatic life

GHS Precautionary Statements:  
P501: Dispose of contents in accordance with local regulation

Potential Health Hazards:  
Eyes: May be irritant.  
Inhalation: Not expected to be irritant.  
Skin: May be irritant.  
Ingestion: Harmful if swallowed.

NFPA Ratings (704):  
Health 1 Slight  
Flammability 1 Slight  
Reactivity 0 Minimal  
Specific Hazard n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Molecular Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retinyl palmitate</td>
<td>79-81-2</td>
<td>90-100%</td>
<td>524.86 g/mol</td>
</tr>
<tr>
<td>Tocopherol</td>
<td>1406-18-4</td>
<td>0.5-2%</td>
<td>430.71 g/mol</td>
</tr>
<tr>
<td>Soybean oil</td>
<td>8001-22-7</td>
<td>1-9%</td>
<td>920 kg/kmol</td>
</tr>
</tbody>
</table>

4 FIRST AID MEASURES

Eyes: Flush eyes with water for 15 minutes. Seek medical advice should irritation occur and persist.

Inhalation: Move to fresh air. Call a physician immediately.

Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Wash out mouth thoroughly with water. Do not induce vomiting; seek medical attention.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:  
Use dry chemical, CO2, water spray or “alcohol” foam

Special protective equipment & precautions for firefighters:  
Firefighters should wear full protective clothing including self-contained breathing Apparatus.

Flash Points: Not determined

Specific hazards arising from the chemical:  
Burning produces irritant fumes.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective  
See section 8 for recommendations on the use of personal protective equipment.
Precautions for safe handling:
Conditions for safe storage, incl. any incompatibilities:

Environmental precautions:
Methods and material for containment and cleaning up:

Prevent product from entering drains or being released into the environment.
Contain any spilled material immediately with dry agent (sand, vermiculite, etc.) and vacuum or shovel into labeled containers for disposal.

**7 HANDLING & STORAGE**

Precautions for safe handling:
Conditions for safe storage, incl. any incompatibilities:

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment.
+4°C, store under nitrogen, protect from light

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits</th>
<th>Basis</th>
<th>Entity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin A palmitate</td>
<td>Not determined</td>
<td>STEL: Short Term Exposure Limit during x minutes.</td>
<td></td>
</tr>
<tr>
<td>TWA: Time Weighted Average over 8 hours of work.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TLV: Threshold Limit Value over 8 hours of work.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL: Recommended Exposure Limit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PEL: Permissible Exposure Limit</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Personal Protection:

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**10 STABILITY AND REACTIVITY**

**11 TOXICOLOGICAL INFORMATION**

Acute Toxicity: Acute oral toxicity (LD50) 7910 mg/kg (rat); 6060 mg/kg (mouse)
Skin: May cause moderate to severe erythema (redness) and moderate edema (raised skin).
Eyes: May irritate the eyes
Respiratory: Data not available
Ingestion: Harmful if swallowed. May cause gastrointestinal effects such as vomiting and diarrhea.
Carcinogenicity: Not available
Teratogenicity: Not available
Germ Cell Mutagenicity: Not available
### 12 ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Vertebrate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Aquatic Invertebrate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Terrestrial:</td>
<td>Not available</td>
</tr>
<tr>
<td>Persistence and Degradability:</td>
<td>Not available</td>
</tr>
<tr>
<td>Bioaccumulative Potential:</td>
<td>Not available</td>
</tr>
<tr>
<td>Mobility in Soil:</td>
<td>Not available</td>
</tr>
<tr>
<td>PBT and vPvB Assessment:</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Other Adverse Effects:** May cause long term adverse effects in the aquatic environment.

### 13 DISPOSAL CONSIDERATIONS

**Waste Residues:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

**Product Containers:** Do not re-use empty containers.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods.

### 14 TRANSPORT INFORMATION

- **DOT (Dept. of Transportation, USA):** Not regulated
- **TDG (Transportation of Dangerous Goods, Canada):** Not regulated
- **IMDG (International Maritime Dangerous Goods):** Not regulated
- **IATA (International Air Transport Association):** Not regulated
- **ICAO (International Civil Aviation Organization):** Not regulated

### 15 REGULATORY INFORMATION

- **TSCA Inventory Status:** All components listed.
- **DSCL (EEC):** This product is not classified according to the EU regulations. Not applicable.
- **WHMIS (Canada):** Not controlled under WHMIS (Canada)

### 16 OTHER INFORMATION

- **Revision Date:** 02-10-2017
- **Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
- **Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company’s knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user’s responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.