

## Artichoke Leaf Extract

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / July 9, 2018 / Rules and Regulation

Revision Date: 11/27/2018

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Artichoke Leaf Extract	<b>Distributor:</b>	MakingCosmetic, Inc.
<b>INCI Name:</b>	Propanediol, water, glycerin, Cynara Scolymus (Artichoke) leaf extract, sodium benzoate, gluconolactone, and gluconolactone	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>CAS Number:</b>	504-63-2, 7732-18-5, 56-81-5, 84012-14-6, 532-32-1, 90-80-2, 299-28-5	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>Formula:</b>	Not available	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Product Form:</b>	Liquid	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Use:</b>	Cosmetic ingredient		

### 2 HAZARDS IDENTIFICATION

<b>EC 1272/2008 Classification:</b>	Not classified as hazardous.								
<b>EC 1999/45 EEC/67/548 Labeling:</b>	Not classified as hazardous.								
<b>Hazard Pictograms:</b>	None listed								
<b>Signal Word:</b>	None listed								
<b>Precautionary Statements:</b>	None listed								
<b>Risk phrase and Safety advice:</b>	Eyes: Causes serious eye irritation. Skin: Causes skin irritation.								
<b>NFPA Ratings (704):</b>	<table border="1"> <tr> <td>Health</td> <td>0</td> </tr> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Specific Hazard</td> <td>n/a</td> </tr> </table>	Health	0	Flammability	0	Reactivity	0	Specific Hazard	n/a
Health	0								
Flammability	0								
Reactivity	0								
Specific Hazard	n/a								

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No</u>	<u>Weight %</u>
Propanediol	504-63-2	20-30%
Water	7732-18-5	35-45%
Glycerin	56-81-5	30-40%
Cynara Scolymus (Artichoke) Leaf Extract	90045-36-6	1.0-3.0%
Sodium benzoate	532-32-1	0.25 - 0.35%
Gluconolactone	90-80-2	1-1.2%
Calcium Gluconate	299-28-5	0.015 - 0.02%

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Rinse away thoroughly with water for at least 15 minutes.
<b>Inhalation:</b>	Move victim to fresh air.
<b>Skin:</b>	Remove contaminated clothing immediately. Wash with soap and water.
<b>Ingestion:</b>	If large amount is swallowed, or symptoms develop, obtain immediate medical attention.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	Dry chemical extinguishing media. Alcohol type foam. Water spray, CO2.
<b>Special protective equipment &amp; advice for firefighters:</b>	Wear self-contained, approved breathing apparatus for enclosed areas. Cool exposed containers with water spray. Avoid breathing vapor and fumes.
<b>Specific hazards arising from the chemical:</b>	May produce irritant gas in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Do not attempt to clean up the spill without the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid entering public/sewer water.
<b>Methods and material for containment and cleaning up:</b>	Absorb the small overflows with inert solids. Notify proper environmental authorities in case of a large leak/spill. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Handle in accordance with good industrial hygiene and safety practices.
<b>Conditions for safe storage:</b>	Store protected from light and humidity in a tightly closed vessel at room temperature.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters:</b>	No data available
<b>Exposure controls:</b>	No data available
<b>Eyes:</b>	Not required but wear chemical safety glasses or goggles.
<b>Respiratory:</b>	Not needed.
<b>Body:</b>	Not needed.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Transparent Liquid	<b>Vapor Pressure:</b>	Not available
<b>Odor:</b>	Characteristic	<b>Vapor Density:</b>	Not available
<b>Odor threshold:</b>	No data available	<b>Evaporation Rate:</b>	Not available
<b>Color:</b>	Brown	<b>Flammability Limits (% LFL):</b>	Not available
<b>Refractive Index (25°C):</b>	1.300 - 1.500	<b>Flash Point:</b>	105°C
<b>pH</b>	3.5-4.5	<b>Upper/lower Explosive Limit:</b>	Not available
<b>Boiling Point:</b>	No data available	<b>Solubility:</b>	Water soluble
<b>Melting Point:</b>	No data available	<b>Relative density:</b>	>1.000
<b>Specific Gravity:</b>	1.09-1.13 g/cm3	<b>Auto ignition temperature:</b>	400 °C

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under usual conditions
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	Keep sources of ignition at a distance
<b>Incompatible Materials:</b>	No data available

**Hazardous Decomposition Products:**

Will not occur

## 11 TOXICOLOGICAL INFORMATION

**General Remarks:**

This product has not been the subject of animal testing or retesting for cosmetic purposes by or on behalf of this company nor the manufacturer. All animal testing data are historical data.

**Acute Toxicity:**

Cynara leaves extract (19% caffeoylquinic acids): LD50 i.p. rat = 1000 mg/Kg. (Principles and Practice of Phytotherapy, 2000, pp437)

Purified Cynara leaves extract (46% caffeoylquinic acids): LD50 i.p. rat = 265 mg/Kg and LD50 p.o. = 2000 mg/kg (Principles and Practice of Phytotherapy, 2000, pp437)

Cynarin (RTECS no. GD8970000): LD i.p. rat > 800 mg/kg, LD50 i.p. mouse = 1900 mg/kg

Glycerin (RTECS no. MA8050000): LD50 in rat: p.o. = 12600 mg/kg, i.p. = 4420 mg/kg, s.c. = 100 mg/kg, i.v. = 5566 mg/kg. LDLo in rat i.m. = 10 mg/kg, TDLo in rat i.m. = 5 g/kg.

Glycerin (RTECS no. MA8050000): TDLo oral in human = 1428 mg/kg.

Propanediol. Acute toxicity tests: p.o. in rat LD50 = 15800 mg/kg, dermal in rat LD50 > 4200 mg/kg and inhalation in rat, DL > 5000 mg/m3. (Supplier data)

Glycerin: Draize Test in the skin of rabbit, 500 mg, 24 h, Mild

Glycerin: Draize Test eye rabbit= 500 mg/24h, mild

**Skin:**

**Eye irritant:**

**Sensitization:**

**Carcinogenicity:**

**Teratogenicity:**

**Repeated dose toxicity:**

**Embryotoxicity:**

**Specific Target Organ Toxicity:**

Not sensitizing

Not carcinogenic

Not toxic

Not toxic

Not available

Not available

**Reproductive Toxicity:**

Propanediol. Prenatal development toxicity test in rat (OECD method no. 414), the product administered at 250 and 1000 mg/kg by oral gavage on gestation days 6-15, was considered non-toxic. Study on effects during reproduction in rats after a 90-day oral administration, there were no effects to reproductive organs and differences in fertility. (Supplier data)

**Respiratory/Skin Sensitization:**

Not available

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity**

Glycerin: Multiplication inhibition test in algae (*Microcystis aeruginosa*) and protozoa (*Entosiphon sulcatum*). Toxicity threshold: 2900mg/l and 3200mg/l (HSB# 492, rev 20050624) Glycerin (HSDB #492 Rev 20050624) LC50 goldfish >5,000mg/l/24 hours.

**Persistence and Degradability:**

Glycerin: (HSDB# 492 Rev 20050624. Activated sludge test: 220mg/l result in COD of 97%; Test in a 5 day: BOD=82%. Glycerin is considered an easily degradable substance.

Propanediol: BOD5 = 1160000 mg/L (Supplier data)

**Bioaccumulative Potential:**

Not available

**Mobility in Soil:**

Not available

**PBT and vPvB Assessment:**

Not available

**Other Adverse Effects:**

Not available

## 13 DISPOSAL CONSIDERATIONS

**Waste Residues:**

The product or water contaminated by the product is not considered as dangerous residues. Eliminate, dispose according to existing regulations.

## 14 TRANSPORT INFORMATION

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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
Not a dangerous product for transport.	

#### 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance/mixture:	No Data Available
Chemical safety assessment:	No Data Available

#### 16 OTHER INFORMATION

<b>Revision Date:</b>	11-27-2018
<b>Compliance:</b>	This document has been prepared in accordance the EC regulation 1907/2006 and EC 453/2010.
<b>Disclaimer:</b>	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 suitability & completeness of such information for his own particular use.