



SAFETY DATA SHEET  
CapSol™

FILE NO.: 9-003  
SDS DATE: 07/10/17

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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE SUPPLIER**

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**PRODUCT NAME:** Carthamus tinctorius (Safflower) Oleosomes (and) Carthamus tinctorius (Safflower) Seedcake Extract

**BRAND NAME:** CapSol™

**OTHER MEANS OF IDENTIFICATION:** Aqueous Dispersion of Safflower Oilbodies

**RECOMMENDED USE OF THE CHEMICALS AND RESTRICTIONS ON USE:** Cosmetic Ingredient

**SUPPLIER DETAILS:**

**MANUFACTURER:** Botaneco Inc.  
**DIVISION:** Manufacturing  
**ADDRESS:** 134, 2985 – 23<sup>rd</sup> Avenue NE, Calgary, Alberta, Canada T1Y 7L3  
**PHONE NUMBER :** (403) 668-6685  
**FAX PHONE:** (403) 668-4789

**EMERGENCY PHONE:** (403) 668-9778

**CUSTOMER INFORMATION:** (403) 668-4334

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**SECTION 2: HAZARDS IDENTIFICATION**

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**CLASSIFICATION OF THE SUBSTANCE / MIXTURE:** Not Classified under GHS; Not classified as an Irritant

**SIGNAL WORD:** Not Applicable

**PHYSICAL HAZARD:** Not Applicable

**HEALTH HAZARD:** Not Applicable

**PRECAUTIONARY STATEMENTS:**

**P101:** If medical advice is needed, have the product container or label at hand.

**P281:** Use personal protective equipment as required.

**P301 IF SWALLOWED:** Seek medical advice.

**P332 + P313:** If skin irritation occurs: Get medical advice/ attention.

**P305 IF IN EYES:** Seek medical advice / attention if irritation occurs.

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**SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS**

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**COMPOSITION INFORMATION ON MIXTURE:**

INGREDIENT	CAS NO.	EINECS NO	DESCRIPTION	% WET WT.
Safflower Oleosomes (Vegetable oil, Protein, and Phospholipids)	8001-23-8	N/A	Not classified under GHS	56.8 - 65.5

D-Glucono-1,5-Lactone	90-80-2	202-016-5	Not classified under GHS	1.4 - 1.6
Sodium Benzoate	532-32-1	208-534-8	Not classified under GHS	0.4 - 0.6
Citric Acid	77-92-9	201-069-1	Eye Irritant, Category 2 - undiluted	0.8 – 0.9
Sodium Hydroxide (Ion)	1310-73-2	215-185-5	Skin corrosion/irritation, Category 1 – undiluted; Serious eye damage/eye irritation, Category 1 - undiluted	0.9 – 1.1
Water	7732-18-5	231-791-2	Not classified under GHS	31.0 - 39.0

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#### SECTION 4: FIRST AID MEASURES

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##### DESCRIPTION OF FIRST AID MEASURES:

- EYES:** No expected danger, reactions or irritations. It is recommended to flush eyes with plenty of water for 15 minutes and seek medical advice if a reaction or irritation occurs.
- SKIN:** No expected danger, reactions or irritations. Wipe off, wash with mild soap and water.
- INGESTION:** If swallowed, seek medical advice.
- INHALATION:** Not applicable

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treatment is based upon the judgment of the physician in response to the reaction of the patient.

**MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:** No further relevant information available.

**IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT NEEDED (IF NECESSARY):** No further relevant information available.

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#### SECTION 5: FIRE-FIGHTING MEASURES

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**SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA:** Water or ABC Dry Chemical Fire Extinguishing Agent

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None identified.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** No specific PPE or precautions required for this product.

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** None Required

**ENVIRONMENTAL PRECAUTIONS:** None identified; material is classified as non-hazardous.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:** No special instructions required - material is classified as non-hazardous.

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#### SECTION 7: HANDLING AND STORAGE

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**PRECAUTIONS FOR SAFE HANDLING:** Close the lid on the original container when not in use. The material will turn amber color if exposed to the air long enough for drying to occur. Mix well before use.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:** Do not freeze. Ideal storage conditions are between 4°C (39°F) and 24°C (75°F).

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**CONTROL PARAMETERS:**

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	N/A	N/A
OSHA PEL STEL :	N/A	N/A
OSHA PEL CEILING:	N/A	N/A
ACGIH TLV-TWA:	N/A	N/A
ACGIH TLV STEL:	N/A	N/A
ACGIH TLV CEILING:	N/A	N/A

**APPROPRIATE ENGINEERING CONTROLS:** None Required

**INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**

VENTILATION :	Ambient Conditions
RESPIRATORY PROTECTION:	None Required
EYE PROTECTION:	Safety Glasses (suggested)
SKIN PROTECTION:	Gloves (Optional)
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	None Required
WORK HYGIENIC PRACTICES:	Use good industrial hygiene & sanitation practices

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE:** Off white cream

**ODOR:** None / Neutral

**ODOR THRESHOLD:** None

**pH:** 3.5 - 5.0

**MELTING POINT:** Not Determined

**FREEZING POINT:** Not Determined

**INITIAL BOILING POINT AND BOILING RANGE:** Not Determined

**FLASH POINT:** Not Determined

**EVAPORATION RATE:** Not Determined

**FLAMMABILITY: (SOLID, GAS):** Not Applicable

**FLAMMIBILITY OR EXPLOSIVE LIMITS:**

**UPPER LIMIT:** Not determined

**LOWER LIMIT:** Not determined

**VAPOR PRESSURE (mmHg):** Not Determined

**VAPOR DENSITY (AIR = 1):** Not Determined

**RELATIVE DENSITY (H<sub>2</sub>O = 1) @ 22 °C:** 0.92-0.98

**SOLUBILITY IN WATER:** Not Determined

**PARTITION COEFFICIENT: n-octanol/water:** Not determined

**PERCENT SOLIDS BY WEIGHT:** 61-69%

**AUTO-IGNITION TEMPERATURE:** Not determined

**DECOMPOSITION TEMPERATURE:** Not determined

**PERCENT VOLATILE BY WT / BY VOL:** Not Determined

**VISCOSITY:** 500-2400 cps (DVE Viscometer, LV-3 @ 5.0 rpm) for 30 seconds @ Room Temperature

**VOLATILE ORGANIC COMPOUNDS (VOC):** Not Determined

**PHYSICAL STATE:** Liquid

**MOLECULAR WEIGHT:** Not Determined

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## **SECTION 10: STABILITY AND REACTIVITY**

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**REACTIVITY:** Not determined

**CHEMICAL STABILITY:** This product is considered stable under identified storage conditions for the product.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Not determined

**SHELF LIFE:** This product has a two-year shelf-life if stored unopened in its original container.

**CONDITIONS TO AVOID:**      **RAW MATERIAL:**      Heating over 28°C or Freezing below 0°C during storage.  
**POLYMERIZATION:**      Not Determined

**INCOMPATIBLE MATERIALS:** Not Determined

**HAZARDOUS DECOMPOSITION:**      **PRODUCTS:**      Not Determined  
**POLYMERIZATION:**      Not Determined

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

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### **INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:**

**EYES:**      Non-irritant (50% dilution); Not Classified as an Irritant  
**SKIN:**      Non-irritant (50% dilution)  
**INGESTION:**      Not determined  
**INHALATION:**      Not applicable

**ACUTE OR CHRONIC TOXICITY:** None identified

**SENSITIZATION:**      Non-Primary Sensitizer (HRIPT 50/100)

**CORROSION IRRITATION:** Non-Primary Irritant (HRIPT 50/100)

**CARCINOGENICTY/ MUTAGENICITY/ REPRODUCTIVE TOXICITY EFFECTS:** None identified

**NUMERICAL MEASURES OF TOXICITY:** Not determined

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOTOXICITY:** Not classified; Non-hazardous

**PERSISTENCE AND DEGRADABILITY:** Not determined

**BIOACCUMULATIVE POTENTIAL:** Not determined

**MOBILITY IN THE SOIL:** Not determined

**OTHER ADVERSE EFFECTS:** None identified

**ECOLOGICAL INFORMATION:** Not classified; Non-hazardous

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**Waste disposal method:** Review federal, provincial (State) and local government requirements prior to disposal.

**RCRA hazard class (40 CFR 261):** When a decision is made to discard this material, as received, it is classified as non-hazardous. State/provincial laws may impose additional regulatory requirements regarding disposal. Call Botaneco (403-668-6685), if additional information is required.

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**SECTION 14: TRANSPORT INFORMATION**

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**UN NUMBER:** Not Applicable

**UN PROPER SHIPPING NAME:** Not Applicable

**TRANSPORT HAZARD CLASS:** Not classified; Non-hazardous

**PACKING GROUP:** Not Applicable

**ENVIRONMENTAL HAZARDS:** None Identified

**TRANSPORT IN BULK:** Not Applicable

**DOT / IMO / IATA:** Not classified; Non-hazardous

Special precautions which a user needs to be aware of, or need to comply with, in special precautions with the transport or conveyance within or outside their premises: **None Identified**

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**SECTION 15: REGULATORY INFORMATION**

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This product is not currently classified under the following regulations; this product is deemed non-hazardous.

**UNITED STATES - FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** Not Applicable

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Not Applicable

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** Not Applicable

**EPCRA 311/312 HAZARD CATEGORIES:** Not Applicable

**EPCRA 313 REPORTABLE INGREDIENTS:** Not Applicable

**GHS / WHMIS 2015 (CANADA):** Not Applicable

**CEPA / NPRI (CANADA):** Not Applicable

**SVHC - Article 59(10) of the REACH Regulation:** This product does not contain any Substance of Very High Concern (SVHC) on the European Chemicals Agency (ECHA) candidate list.

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**SECTION 16: OTHER INFORMATION**

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**PREPARATION INFORMATION:** Botaneco Inc.                      July 10 , 2017

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