



**SAFETY DATA SHEET**  
**Karmyn™**

**FILE NO.:** 10-002  
**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) Seed Extract  
**BRAND NAME:** KARMYN™

**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

**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.  
**P304 IF INHALED:** Seek medical advice / attention if respiratory symptoms occur.

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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.
Proteins, carmins, safflower	1849576-55-1	N/A	Not classified under GHS	93-97
Water	7732-18-5	231-791-2	Not classified under GHS	3-7

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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. Brush off loose particles from skin. Wash with mild soap and water.

**INGESTION:** If swallowed, seek medical advice.

**INHALATION:** No expected reactions or irritations. Seek medical advice if respiratory symptoms occur.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treatment based on judgment of the physician in response to 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

**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. The use of safety eyewear, general protective gloves/clothing and a dust mask is suggested.

**ENVIRONMENTAL PRECAUTIONS:** None. Material is classified as non-hazardous.

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

## SECTION 7: HANDLING AND STORAGE

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**PRECAUTIONS FOR SAFE HANDLING:** No additional precautions required. PPE should be worn if the situation or area hazards require this equipment. Suggested or optional PPE for this product is noted in Section 8.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:** Packages should be kept sealed until ready for use. Avoid conditions that will promote moisture or condensation in opened packages. Recommended to consume everything once the package were opened.

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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 :	General area conditions
RESPIRATORY PROTECTION:	None required; dust mask is optional
EYE PROTECTION:	Safety Glasses (suggested)
SKIN PROTECTION:	Gloves (optional)
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	None required

Use good industrial hygiene and sanitation practices

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Pale yellow

**ODOR:** None / Neutral

**ODOR THRESHOLD:** None

**pH:** Not applicable

**MELTING POINT:** Not applicable

**FREEZING POINT:** Not determined

F:

C:

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

**FLASH POINT:** Closed Cup Method – Not determined

F:

C:

**EVAPORATION RATE:** Not Applicable

**FLAMMABILITY (SOLID, GAS):** Not determined; ingredients do not suggest that testing is required.

**FLAMMIBILITY OR EXPLOSIVE LIMITS:**

**UPPER LIMIT:** Not determined; ingredients do not suggest that testing is required.

**LOWER LIMIT:** Not determined; ingredients do not suggest that testing is required.

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

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

**RELATIVE DENSITY (H<sub>2</sub>O = 1) @ 22 °C:** Not determined

**SOLUBILITY IN WATER:** Not Determined

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

**PERCENT SOLIDS BY WEIGHT:** 93-97%

**AUTO-IGNITION TEMPERATURE:** Not determined

**DECOMPOSITION TEMPERATURE:** Not determined

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

**VISCOSITY:** Not applicable

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

**PHYSICAL STATE:** Solid - Powder

**MOLECULAR WEIGHT:** Not determined

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**SECTION 10: STABILITY AND REACTIVITY**

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**REACTIVITY:** No known reactivity conditions; stable under normal conditions of use.

**CHEMICAL STABILITY:** No known instability conditions; stable under normal conditions of use.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Not determined; ingredients do not suggest that testing is required.

**SHELF LIFE:** Not determined

**CONDITIONS TO AVOID:**

**RAW MATERIAL:** Exposure to air will promote microbial growth and product degradation.

**POLYMERIZATION:** Not determined and not expected to occur.

**INCOMPATIBLE MATERIALS:** None identified.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not determined and not expected.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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

**EYES:** Non-irritant (25% dilution); Not classified as an irritant  
**SKIN:** Non-irritant (25% dilution)  
**INGESTION:** Not determined  
**INHALATION:** Not determined

**ACUTE OR CHRONIC TOXICITY:**

**PESTICIDE SCREEN (200 substances):** Not detected  
**AFLATOXIN (B1, B2, G1, G2):** < 0.14 ppb  
**HEAVY METAL SCREEN**  
MERCURY: < 0.02 ppm  
ARSENIC: < 0.03 ppm  
CADMIUM: < 1.89 ppm  
LEAD: < 0.66 ppm

**SENSITIZATION:** Non –irritant (HRIPT 50 at 5%)

**CORROSION IRRITATION:** Non –irritant (HRIPT 50 at 5%)

**CARCINOGENICTY/ MUTAGENICITY/ REPRODUCTIVE TOXICITY EFFECTS:** Not determined; ingredients do not suggest that testing is required.

**NUMERICAL MEASURES OF TOXICITY:** Not determined

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOTOXICITY:** Non-hazardous

**PERSISTENCE AND DEGRADABILITY:** Not determined

**BIOACCUMMULATIVE POTENTIAL:** Not determined

**MOBILITY IN THE SOIL:** Not determined

**OTHER ADVERSE EFFECTS:** None identified

**ECOLOGICAL INFORMATION:** 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 applicable

**PACKING GROUP:** Not applicable

**ENVIRONMENTAL HAZARDS:** None identified

**TRANSPORT IN BULK:** Not applicable

**DOT / IMO / IATA:** Not applicable

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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### **UNITED STATES**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** Not applicable – non hazardous

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Not applicable – non hazardous

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** Not applicable – non hazardous

**EPCRA 311/312 HAZARD CATEGORIES:** Not Applicable – non hazardous

**EPCRA 313 REPORTABLE INGREDIENTS:** Not Applicable – non hazardous

**GHS / WHMIS 2015 (CANADA):** Not applicable – non hazardous

**CEPA / NPRI (CANADA):** Not applicable – non hazardous

**SVHC: 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**

**IMPORTANT:** The information presented herein, while not guaranteed, was prepared by competent technical personnel and is considered true and accurate to the best of our knowledge. NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, IS MADE REGARDING PRODUCT PERFORMANCE, STABILITY OR APPLICATION. This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factors not within the control of Botaneco Inc may involve additional safety or performance considerations.

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