

Health	1
Flammability	1
Reactivity	0
Protective Equipment	B

## SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY INFORMATION	
<b>MANUFACTURER'S NAME</b> Barker Microfarads	<b>EMERGENCY TELEPHONE NUMBER</b> (276) 728-9121
<b>ADDRESS (Number, Street, City, State, and Zip)</b> P.O. Box 697 205 Mill Street Hillsville, VA 24343 <b>MATERIAL USES</b> Oil Fill for Motor Run Capacitors	<b>CHEMICAL NAME AND SYNONYMS</b>
	<b>TRADE AND SYNONYMS</b> O1
	<b>CHEMICAL FAMILY FORMULA</b> Oil

SECTION 2 – HAZARDS IDENTIFICATION
WARNING! FLAMMABLE. Keep away from open flame. WARNING! IRRITANT. May be irritating to skin and mucous membranes.

<b>Odor:</b> Mild	<b>Physical State:</b> Liquid	<b>Appearance:</b> Not Available	<b>Color:</b> Clear, Pale Yellow
----------------------	----------------------------------	-------------------------------------	-------------------------------------

### POTENTIAL HEALTH EFFECTS

**Principal Routes of Exposure:**  
Ingestion, Skin, Eyes

**Acute Potential Health Effects**

**Eye Contact:**  
Direct eye contact may cause permanent damage.

**Skin Contact:**  
Irritating to skin. Can cause skin dryness or cracking.

**Ingestion:**  
Health injuries are not known.

**Inhalation:**  
May cause irritation of the nose and throat with headache, particularly from mists. High vapor concentrations may cause nausea, vomiting, headache, and dizziness.

**Chronic Potential Health Effects:**

Component	Carcinogen Status	Teratogenic Effects	Mutagenic Effects	Developmental Toxicity
Canola Oil	Not listed as a carcinogen	No Information Available	No Information Available	No Information Available
Desiccant	Not listed as a carcinogen	No Information Available	No Information Available	No Information Available

<b>NOTICE:</b> THIS STANDARD CONTAINS PROPRIETARY INFORMATION OF BARKER MICROFARADS, AND IS NOT TO BE REPRODUCED BY ANY METHOD FOR EXTERNAL DISTRIBUTION WITHOUT PRIOR APPROVAL OF A COMPANY OFFICER.
---

Stabilizer	No Information Available	No Information Available	No Information Available	No Information Available
------------	--------------------------	--------------------------	--------------------------	--------------------------

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Components	TLV (Units)
Canola Oil	N/A
Desiccant	N/A
Stabilizer	N/A

**Threshold Limit Value:** No Data.

### SECTION 4 – FIRST AID MEASURES

<b>General Advice:</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect him/herself.
<b>Ingestion:</b>	Do not induce vomiting. If conscious, give several glasses of water and call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.
<b>Skin Contact:</b>	Wash thoroughly with soap and water. Get medical attention if redness, swelling, itching, or burning occurs.
<b>Inhalation:</b>	Move to fresh air. Call a physician if discomfort persists.
<b>Eye Contact:</b>	Immediately flush with large amounts of water for 15 minutes. Seek medical attention if redness, swelling, itching, burning, or visual disturbances occur.

### SECTION 5 – FIRE-FIGHTING MEASURES

<b>Flashpoint</b> (Closed Cup) 610°F	<b>Lower Explosion Limit</b> N/A	<b>Upper Explosion Limit</b> N/A
---	-------------------------------------	-------------------------------------

**Extinguishing Media:** Dry chemical or foam.

**Special Fire-Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Ensure adequate ventilation. Remove all sources of ignition. Remove contaminated clothing and flush skin with water.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Avoid losses to waterways.

**NOTICE:** THIS STANDARD CONTAINS PROPRIETARY INFORMATION OF BARKER MICROFARADS, AND IS NOT TO BE REPRODUCED BY ANY METHOD FOR EXTERNAL DISTRIBUTION WITHOUT PRIOR APPROVAL OF A COMPANY OFFICER.

**Methods for Cleaning Up:** Absorb spill with inert material. Contaminated absorbent may be deposited in a landfill in accordance with local, State, and Federal regulations. Clean contaminated surface thoroughly. Soiled rags or absorbent materials should not be kept under high temperature or closed conditions in the presence of oxygen.

## SECTION 7 – HANDLING AND STORAGE

### Handling

**Technical Measures/Precautions:** Remove all sources of ignition. Avoid excessive heat to maintain product quality.

**Safe Handling Advice:** Wear personal protective equipment. Use respiratory protection if TLV is exceeded. Avoid contact with eyes, skin, and clothing. Do not ingest. Keep away from open flame. Do not smoke when using. Handle in accordance with good industrial hygiene and safety practice.

### Storage

**Technical Measures/Conditions:** Keep container closed in a dry place. Store at room temperature. Keep away from high temperatures and open flame. Store away from incompatible materials. Store away from food or portable water supplies. Containers of this material may be hazardous when emptied. Since emptied containers retain product residue (vapor, liquid, and/or solid) all hazard precautions given in this data sheet must be observed.

**Incompatible Materials:** Oxidizing agents.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Measures:** Local exhaust is advisable for elevated temperature use. General mechanical exhaust is useful to keep the airborne concentrations of vapor and mist below the threshold limit value.

### Personal Protective Equipment

**Eye Protection:** Wear appropriate protective safety glasses as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

**Skin Protection:** Use rubber or polyvinyl chloride coated gloves.

**Respiratory Protection:** If TLV is exceeded, use NIOSH approved breathing air equipment or NIOSH approved face mask with organic vapor cartridge and dust or mist pre-filter.

**Ingestion Protection:** Avoid ingestion of even very small amounts; do not consume or store food or tobacco in the work area; wash hands and face before smoking or eating.

**NOTICE:** THIS STANDARD CONTAINS PROPRIETARY INFORMATION OF BARKER MICROFARADS, AND IS NOT TO BE REPRODUCED BY ANY METHOD FOR EXTERNAL DISTRIBUTION WITHOUT PRIOR APPROVAL OF A COMPANY OFFICER.

**Hygiene Measures:**

Avoid contact with skin, eyes, and clothing. When using, do not eat, drink, or smoke. Wash hands thoroughly before breaks and immediately after handling the product.

Components	OSHA	NIOSH	ACGIH
Canola Oil	15 mg/m <sup>3</sup>	No Data	No Data
Desiccant	No Data	No Data	No Data
Stabilizer	No Data	No Data	No Data

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:**

Liquid

**Appearance:**

No information available

**Color:**

Clear, Pale Yellow

**Odor:**

Mild

**Boiling Point:**

N/A

**Specific Gravity (g/cm<sup>3</sup>):**

1.135 g/cc

**Evaporation Rate:**

&lt;&lt;1

**pH:**

No information available

**Vapor Density:**

N/A

**Freezing Point:**

No information Available

**Autoignition Temperature:**

No information available

**Vapor Pressure:**

No information available

**Upper Explosion Limit (%):**

No information available

**Lower Explosion Limit (%):**

No information available

**Flash Point:**

610°F (Closed Cup)

**Relative Density:**

No information available

**Partition Coefficient (n-octanol/water):**

No information available

**Decomposition Temp:**

No information available

**Odor Threshold:**

No information available

**Solubility in Water:**

Insoluble

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:**

Stable

**Conditions to Avoid:**

High temperatures. Open flame. Incompatible materials.

**Materials to Avoid:**

Oxidizing agents.

**Hazardous Decomposition Products:** None known.**Possibility of Hazardous Reactions:** None known.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

No data.

**NOTICE:** THIS STANDARD CONTAINS PROPRIETARY INFORMATION OF BARKER MICROFARADS, AND IS NOT TO BE REPRODUCED BY ANY METHOD FOR EXTERNAL DISTRIBUTION WITHOUT PRIOR APPROVAL OF A COMPANY OFFICER.

## Local Effects

- Skin Irritation:** Cause skin irritation. A single prolonged exposure is unlikely to result in the material being absorbed through the skin in harmful amounts. Massive contact with damaged skin may result in absorption of potentially harmful amounts.
- Eye Irritation:** May cause discomfort and irritation. Permanent damage is possible.
- Inhalation:** May cause irritation of the nose and throat with headache, particularly from mists.
- Ingestion:** Health injuries are not known.

## Chronic Effects

Component	Carcinogen Status	Teratogenic Effects	Mutagenic Effects	Developmental Toxicity
Canola Oil	Not listed as a carcinogen.	None	Not mutagenic	None
Desiccant	Not listed as a carcinogen.	None	Not mutagenic	No Information Available
Stabilizer	No Information Available	No Information Available	No Information Available	No Information Available

## SECTION 12 – ECOLOGICAL INFORMATION

- Ecotoxicity:** No information available
- Persistence and Degradability:** No information available
- Bioaccumulative Potential:** No information available
- Mobility:** No information available
- Other Adverse Effects:** No information available

## SECTION 13 – DISPOSAL CONSIDERATIONS

- Waste from Residues / Unused Products:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid) all hazard precautions given in this data sheet must be observed. Waste must be disposed of in accordance with Federal, State, and Local regulations.

**NOTICE:** THIS STANDARD CONTAINS PROPRIETARY INFORMATION OF BARKER MICROFARADS, AND IS NOT TO BE REPRODUCED BY ANY METHOD FOR EXTERNAL DISTRIBUTION WITHOUT PRIOR APPROVAL OF A COMPANY OFFICER.

## SECTION 14 – TRANSPORT INFORMATION

**UN Number:** Not applicable.

**UN Proper Shipping Name:** Not applicable.

**Transport Hazard Class(es):** Not a DOT controlled material.

**Packing Group:** Not applicable.

**Marine Pollutant:** Not applicable.

**Special Precautions:** Not applicable.

## SECTION 15 – REGULATORY INFORMATION

### Federal and State Regulations:

*Canola Oil*

**No information available**

*Desiccant*

**No information available**

*Stabilizer*

**No information available**

### HMIS (USA):

Health Hazard: 1  
Fire Hazard: 1  
Reactivity: 0  
Personal Protection: B

### National Fire Protection Association (USA):

Health: 1  
Flammability: 1  
Reactivity: 0  
Specific Hazard:  
Protective Equipment: Gloves, safety glasses.

## SECTION 16 – OTHER INFORMATION

Preparation Date: April 14, 2014

**NOTICE:** THIS STANDARD CONTAINS PROPRIETARY INFORMATION OF BARKER MICROFARADS, AND IS NOT TO BE REPRODUCED BY ANY METHOD FOR EXTERNAL DISTRIBUTION WITHOUT PRIOR APPROVAL OF A COMPANY OFFICER.

The information contained in this data sheet is, to the best of our knowledge and belief, accurate as of the date issued. However, since Barker (BMI) cannot anticipate or control the different conditions under which this information or our products may be used, we make no guarantee that the recommendations will be adequate for all individuals or situations. Each user of the product described herein should determine the safety, toxicity, and suitability of the described product for his particular purpose, and Barker (BMI) assumes no responsibility for damages arising out of the use of the described product. Barker (BMI) makes no warranty, either expressed or implied, regarding the accuracy or reliability of the information in this data sheet, nor shall Barker (BMI) be liable for any loss or damage arising out of the use of the information or the described product.

***NOTICE:*** THIS STANDARD CONTAINS PROPRIETARY INFORMATION OF BARKER MICROFARADS, AND IS NOT TO BE REPRODUCED BY ANY METHOD FOR EXTERNAL DISTRIBUTION WITHOUT PRIOR APPROVAL OF A COMPANY OFFICER.