

MATERIAL SAFETY DATA SHEET

Commonwealth Sprague Capacitor, Inc., 11 Brown St., North Adams, MA, 01247
Phone: (413) 664-9943 or (413) 663-9814 Fax: (413) 664-4465 or (413) 663-9132

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RTF Eccol II Capacitor Filling Compound

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SECTION 1 PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: RTF Eccol II Capacitor Filling Compound

COMPOSITION:

88 to 92 wt % Oil (Canola)

7 to 10 wt % Moisture Adsorbent

CAS No. 1305-78-8

7 to 1.1 wt % Dispersing Agent

CAS No. 112945-52-S

PRODUCT DESCRIPTION: This is essentially an oil slurry composition which is used in sealed capacitors manufactured and sold by CSCI. It is proprietary to CSCI and is not sold to others for their use or resale. As present in the capacitors, it is a milky dispersion which may separate over time with the white solids coating. out onto available surfaces.

SECTION 2 HAZARD INFORMATION

ELECTRICAL: Persons using these capacitors directly or indirectly are unlikely to be exposed to the capacitor contents. Whether the case is intact or if rupture of the case should occur for any reason, a first precaution should be to avoid electrical contact with the capacitor or the circuitry it was attached to. Capacitor sections may retain appreciable charge and voltage even when disconnected from the circuitry.

EYE CONTACT: May cause eye irritation or injury if physical eye contact with the tilling material occurs. The material contains a caustic substance suspended in the oil. Action of the caustic is slowed, but not stopped by the oil, which is not water soluble. If the filling material burned to an ash, the ash would be highly caustic and eye contact with the ash should be treated as if exposed to quicklime (calcium oxide or calcium hydroxide). Whether eye exposure were to the intact tilling material or its ash, flush the eyes with large amounts of water and obtain prompt medical attention.

SKIN CONTACT: May cause skin irritation if physical contact with the filling material occurs. As with eye contact, the caustic material is the primary hazard. The oil contained in the matrix is an edible vegetable oil, but rubber gloves are advised

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in handling the material. Wash promptly with soap and water if skin contact occurs.

INHALATION: Vapor pressure is very low and should be a negligible hazard. In the event of **fire**, the smoke would contain a variety of decomposition products. Such smoke and vapor is always very hazardous to breath and should not be entered without air-supplied respiratory protection. If tire/smoke exposure should occur, treat as smoke inhalation and obtain medical attention.

INGESTION: This has not **occured** and, therefor, the nature of the hazard is not known. The oil content and dispersing agent have no known toxicity. The caustic material suspended in the filling compound would probably have adverse effects on the throat or stomache. with the severity depending on the quantity consumed. If ingestion occurs. obtain prompt medical attention.

SECTION 3 FIRE HAZARD DATA

FLASH POINT: **430° F (221°C)**, COC This is the minimum flash point of the oil. Flash point tests run on the potting compound cured in the flash test cup produce results consistent with the flash point of the oil.

FIRE FIGHTING: Use water spray to cool **fire** exposed surfaces and to protect personnel. Oil contained in the compound is less dense than water and would float on water. The caustic moisture adsorbent content will react will water, but remain as a caustic which has relatively low water **solubility**. Foam, dry chemical, or water spray may be used to extinguish a fire. If the fire is allowed to bum itself out, the ash would be caustic and should be handled as such.

HAZARDOUS COMBUSTION PRODUCTS: No unusual combustion products are expected other than the hazardous fumes always present in fire-generated smoke.

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SECTION 4 REGULATORY INFORMATION

REGARDING THE OIL (CANOLA OIL) CONTENT

Canola oil is an edible variety of **rapeseed** oil having a **very** low **erucic** acid content. It is a natural mixture of unsaturated fatty acids.

REGARDING DISPERSING AGENT CONTENT: The dispersing agent is a fumed silica (non-crystalline) which is regarded as non-hazardous and thus does not have a assigned Permissible Exposure Level (PEL) or Threshold Limit Value (TLV). The industry standard as a nuisance dust is 6 milligrams per cubic meter of air.

SECTION 5 DISPOSAL

If disposal becomes necessary, consult experts in this field and dispose in a manner complying with all local, state, and national regulations.

SECTION 6 SPECIAL COMMENTS

The information and recommendations contained herein are, to the best of **CSCI's** knowledge and belief, accurate and reliable as of the date issued. CSCI does not warrant or guarantee their accuracy or reliability and CSCI assumes no liability. CSCI shall not be liable for special incidental or consequential damages.