



## Material Safety Data Sheet

### SECTION 1 — PRODUCT INFORMATION

*Product Identifier* **GreenRelease** *WHMIS Classification (optional)*

*Product Use* Release of Concrete from formwork

*Manufacturer's* Harmonious Enterprises

*Street Address* Box 240

*City* Coombs *Province* B.C.

*Postal Code* VOR 1M0 *Emergency Telephone* 250-702-6310

### SECTION 2 — HAZARDOUS INGREDIENTS

*Hazardous Ingredients* Canola Oil CAS# 120962-03-0 40%

### SECTION 3 — PHYSICAL DATA

*Physical State* Liquid *Odour and Appearance* Pale amber liquid with mild odour

*Odour Threshold (ppm)* Not established

*Specific Gravity* 0.88-0.91

*Vapour Density (air = 1)* >1

*Vapour Pressure (mmHg)* <0.6

*Evaporation Rate (Butyl Acetate=1)* <0.05

*Boiling Point (deg C)* >200

*Freezing Point (deg C)* -5 to -10

*pH* Not Applicable

*Coefficient of Water/Oil Distribution* <1

### SECTION 4 — FIRE AND EXPLOSION DATA

*Flammability* No *If yes, under which conditions?* Not Applicable

*Means of Extinction* Dry Chemical, foam, carbon dioxide or water(fog). Do not use water stream.

*Flashpoint (deg C) and Method* >180 C, closed cup *Upper Flammable Limit (% by volume)* Not established

*Lower Flammable Limit (% by volume)* Not established

*Autoignition Temperature (deg C)* Not available *Explosion Data — Sensitivity to*

*Impact* None

*Explosion Data — Sensitivity to Static Discharge* Yes, if sprayed

*Hazardous Combustion Products* Smoke, oxides of carbon

### SECTION 5 — REACTIVITY DATA

*Chemical stability* Stable, does not decompose *If no, under which conditions?* Not Applicable

*Incompatibility with Other Substances* Yes *If yes, which ones?* Strong oxidizing agents

*Reactivity, and under what conditions?* None *Hazardous Decomposition Products* None

### SECTION 6 — TOXICOLOGICAL PROPERTIES

*Route of Entry* By eye or skin contact, inhalation or ingestion

*Effects of Acute Exposure to Product* May cause mild eye or skin irritation. Vapour mists may cause irritation to respiratory tracts, dizziness or nausea. This product is not acutely toxic by ingestion.

*Effects of Chronic Exposure to Product* Not known *Exposure Limits (value, source, date)* 1 mg/m<sup>3</sup> TWA Oil Mist-Highly refined 2006 3mg/m<sup>3</sup> TWA Vegetable oil Mist (respirable) 2001

*Irritancy (if yes, explain)* Mild irritation to eye and skin

*Sensitization (if yes, explain)* None known *Carcinogenicity (if yes, explain)* Not classified as a carcinogen

*Reproductive Toxicity (if yes, explain)* None known *Teratogenicity (if yes, explain)* None known

*Mutagenicity (if yes, explain)* None known *Synergistic Products (if yes, explain)* None known

*Biodegradability* Biodegradable

## **SECTION 7 — PREVENTIVE MEASURES**

*Personal Protective Equipment* Gloves- PVC or Neoprene.

Respirator- if sprayed, especially in confined areas, wear NIOSH organic vapour mask.

Eye protection- safety goggles or face shield.

Footwear- Product is slippery. Wear chemical resistant, non-slip work shoes.

Clothing- Avoid splashing. Remove and wash contaminated clothing.

*Engineering Controls (specify, such as ventilation, enclosed process)*

Normal local ventilation to provide less than 100 ppm airborne vapour if sprayed.

*Leak and Spill Procedure* Stop spill and remove sources of ignition. Use Absorbent and transfer into an approved waste container.

*Waste Disposal* Comply with all municipal, provincial and federal regulation. This product may be recycled or disposed by controlled burning in an approved incinerator.

*Handling Procedures and Equipment* Avoid contamination with water. Ground all transfer equipment. Do not cut empty drum with torch.

*Storage Requirements* Stored in a cool, dry area. Cold temperature will increase the viscosity of the product. Preferably, store at room temperature above 10 deg C. Keep product away from ignition sources.

*Special Shipping Information* **GreenRelease** is not regulated by the Transportation of Dangerous Goods Act in Canada.

## **SECTION 8 — FIRST AID MEASURES**

*Inhalation* Remove to fresh air. Restore breathing and apply oxygen if necessary.

*Ingestion* Do not induce vomiting. If victim is conscious, rinse mouth and give one or two glasses of water to drink.

If a large amount is ingested or if gastro-intestinal symptoms develop, seek medical help.

*Skin Contact* Wash with soap and water.

*Eye Contact* Irrigate eyes with a steady stream of water for 10 minutes. If irritation persists, seek medical personnel.

## **SECTION 9 — PREPARATION INFORMATION**

Prepared by Harmonious Energy, Inc. Qualicum Beach, B.C. CANADA

Telephone Number 250-702-6310 Preparation Date **September 2016**

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