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MATERIAL SAFETY DATA SHEET LF03601 LF03602

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard. LF03603 LF03644

1. PRODUCT AND COMPANY IDENTIFICATION:

Soybean Oil
Refined, Bleached, and Deodorized

Avatar Corporation, 7728 W. 99th St., Hickory Hills, IL 60457 (708) 430-4200
Transportation emergency contact: Chem Tel (800) 255-3924.

2. COMPOSITION / INFORMATION ON INGREDIENTS:

Table with 3 columns: Component, CAS #, Range % by Wt. Row 1: Soybean Oil, RBD, 8001-22-7, 100%

(See Section 8, "Exposure Controls/Personal Protection", for exposure guidelines.)

3. HAZARDS IDENTIFICATION:

NFPA Code: Health-0, Flammability-1, Reactivity-0
HMIS Code: Health-0, Flammability-1, Reactivity-0

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under OSHA criteria. Low hazard for usual industrial or commercial handling by trained personnel.

Potential Health Effects:

EYE CONTACT: No significant health hazards identified.

SKIN CONTACT: No significant health hazards identified.

INGESTION: Negligible effect.

INHALATION: No significant health hazards identified.

4. FIRST AID MEASURES:

EYE: Flush immediately with large amounts of water. If irritation occurs, call a

physician.

**SKIN:** Wash exposed area of skin with soap and water. If skin irritation or an allergic reaction occurs, get medical attention.

**INGESTION:** None required. If uncomfortable, seek medical assistance. Refined soybean oil is a non-toxic vegetable oil (edible).

**INHALATION:** If adverse effects occur, remove to uncontaminated area. Get medical attention if symptoms persist.

#### 5. FIRE FIGHTING MEASURES:

**FLASH POINT:** 610°F (321°C) minimum  
**METHOD USED:** Cleveland Open Cup

**FLAMMABLE LIMITS:**  
**LEL (% vol. in air):** Not determined.  
**UEL (% vol. in air):** Not determined.

**AUTOIGNITION TEMPERATURE:** Not determined.

**FLAMMABILITY CLASSIFICATION:** Slight hazard. Material must be preheated before ignition will occur (OSHA Class IIIB).

**EXTINGUISHING MEDIA:** Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, foam, steam) or water fog. Do not use streams of water as this will scatter the liquid and spread the fire. A water spray may be used to keep fire-exposed containers and surroundings cool.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** May create dense smoke during combustion. Mild fire hazard when heated above its flash point.

**FIREFIGHTING EQUIPMENT:** Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

**HAZARDOUS COMBUSTION PRODUCTS:** Incomplete burning can produce carbon monoxide and/or carbon dioxide and other toxic gases.

#### 6. ACCIDENTAL RELEASE MEASURES:

Dike around spilled material. Remove mechanically or contain on an absorbent material such as dry sand or earth. Prevent entry into drains, sewers, or streams. Shovel up and dispose of in accordance with current applicable laws and regulations and product characteristics at time of disposal or divert to recovery unit.

**7. HANDLING AND STORAGE:**

**HANDLING:** No special requirements.

**STORAGE:** Store in a cool, well-ventilated area in sealed containers. Store away from strong oxidizing agents or combustible material. Avoid excess heat to maintain product quality.

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

**EYE:** None required; however, use of eye protection is good industrial practice.

**SKIN:** None required; however, use of protective gloves/clothing is good industrial practice.

**INHALATION:** No special requirements under ordinary conditions of use and with adequate ventilation.

**ENGINEERING CONTROLS:** Non required.

**EXPOSURE GUIDELINES:** Not available. Refined soybean oil is a non-toxic vegetable oil (edible).

**9. CHEMICAL AND PHYSICAL PROPERTIES:**

**APPEARANCE AND ODOR:** Light-yellow fluid. Bland odor.

**pH:** Not determined.

**VAPOR PRESSURE:** < 1.0 mmHg @ 20°C (68°F)

**VAPOR DENSITY (Air=1):** >1

**BOILING POINT:** Not determined.

**MELTING POINT:** Not determined.

**SOLUBILITY:** Negligible in water (below 0.1%); soluble in hydrocarbons.

**SPECIFIC GRAVITY:** 0.919 - 0.925 @ 25°C/25°C (77°F)

**10. STABILITY AND REACTIVITY:**

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Avoid excessive heat and open flames.

**MATERIALS TO AVOID:** Avoid chlorine, flourine, and other strong oxidizers.

**HAZARDOUS DECOMPOSITION:** Smoke, carbon monoxide, and other products of incomplete combustion.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**11. TOXICOLOGICAL INFORMATION:**

**Acute Toxicity Data:**

**EYE IRRITATION:** Not expected to cause eye irritation (based on data from similar materials).

**SKIN IRRITATION:** Not expected to be a primary skin irritant (based on data from similar materials).

**DERMAL LD<sub>50</sub>:** Material has low skin toxicity (based on data from similar materials).

**ORAL LD<sub>50</sub>:** Material has a low order of acute toxicity.

**INHALATION LC<sub>50</sub>:** No data available to indicate product may be a toxic inhalation hazard.

**Other Toxicity Data:**

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

There is no data available to indicate that this product is a chronic health hazard.

**12. ECOLOGICAL INFORMATION:**

No definitive information available on ecological impact if product is released to the environment.

**13. DISPOSAL INFORMATION:**

Disposal must be in accordance with applicable federal, state, or local regulations. We recommend that containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. "Empty" drums should not be given to individuals.

**14. TRANSPORTATION INFORMATION:**



U.S. Department of Transportation: Not regulated.

**15. REGULATORY INFORMATION:**

**CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4):** Not reportable.

**SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355):** Not regulated.

**SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370):** None noted.

**SARA Title III Section 313 (40 CFR Part 372):** Not listed.

**U.S. Inventory (TSCA):** Listed on inventory. All components comply with TSCA.

**16. OTHER INFORMATION:**

**Kosher Certification:** This product is certified Kosher.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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