



# SILVER FERN CHEMICAL, INC.

## Safety Data Sheet

### Soybean Oil

#### 1. PRODUCT AND COMPANY DESCRIPTION

**PRODUCT NAME:** SOYBEAN OIL

**SYNONYM:** SOYBEAN OIL

**COMPANY NAME:** Silver Fern Chemical, Inc.  
2226 Queen Anne Ave. North, Suite C  
Seattle, WA 98109, USA

**TELEPHONE:** 1-866-282-3384

**EMAIL:** info@silverfernchemical.com

**EMERGENCY:** Infotrac 1-800-535-5053 USA & Canada

**OUTSIDE USA & CANADA:** 1-353-323-3500

**RECOMMENDED USE:** FOOD/ PERSONAL CARE INDUSTRY

#### 2. HAZARDS IDENTIFICATION

**HAZARD CLASSIFICATION:** NOT HAZARDOUS

**SIGNAL WORD:** NOT APPLICABLE

**HAZARD STATEMENT(S):** NOT APPLICABLE

**PICTOGRAMS:** NOT APPLICABLE

**PRECAUTIONARY STATEMENTS:** NOT APPLICABLE

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL NAME:** SOYBEAN OIL

**COMMON NAME/SYNONYMS:** SOYBEAN OIL

**CAS#:** 8001-22-7



## 4. FIRST AID MEASURES

### ROUTES OF EXPOSURE:

**INHALATION:** REMOVE TO FRESH AIR.

**SKIN CONTACT:** WASH WITH SOAP AND WATER.

**EYE CONTACT:** IF NECESSARY, RINSE EYES WITH WATER.

**INGESTION:** NONE NECESSARY

**SYMPTOMS OR EFFECTS:** EXCESSIVE INHALATION OF OIL MIST MAY AFFECT THE RESPIRATORY SYSTEM. SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER PROLONGED EXPOSURE OF OIL ON THE SKIN.

**OTHER RECOMMENDATIONS:** NO DATA AVAILABLE

## 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING EQUIPMENT:** FOAM, CO2 OR DRY CHEMICAL. BECAUSE WATER CAN SPREAD THE FIRE, IT IS ADVISABLE TO AVOID A DIRECT WATER STREAM FOR EXTINGUISHING THE FIRE.

**NOT SUITABLE EXTINGUISHING EQUIPMENT:** DO NOT USE A SOLID WATER STREAM AS IT MAY SCATTER AND SPREAD FIRE.

**HAZARDOUS COMBUSTION PRODUCTS:** THERMAL DECOMPOSITION CAN LEAD TO RELEASE OF IRRITATING GASES AND VAPORS, ACROLEIN, CARBON MONOXIDE (CO), CARBON DIOXIDE (CO2), SMOKE, FUMES.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE GEAR

**NFPA RATING:** HEALTH: 0    FLAMMABILITY: 1    INSTABILITY: 0    SPECIAL:

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS AND EMERGENCY PROCEDURES:** ISOLATE AREA. KEEP UNNECESSARY PERSONNEL AWAY.

**ENVIRONMENTAL PRECAUTIONS:** PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT ALLOW PRODUCT TO REACH SOIL, SEWAGE SYSTEM OR ANY WATER COURSE.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** FOR SMALL SPILLS, ADD SOLID ADSORBENT, SHOVEL INTO DISPOSABLE CONTAINER AND HOSE DOWN AREA. DO NOT USE INCOMPATIBLE CLAY ADSORBENTS TO AVOID THE POSSIBILITY OF SPONTANEOUS COMBUSTION. CLEAN AREA WITH DETERGENT. FOR LARGE SPILLS,



# Safety Data Sheet

SQUEEGEE OR PUMP INTO HOLDING CONTAINER. CLEAN AREA WITH DETERGENT. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

## 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE-HANDLING:** USE APPROPRIATE PROTECTIVE EQUIPMENT WHEN HANDLING HOT OILS. ENSURE ADEQUATE VENTILATION. DO NOT USE PRESSURE TO EMPTY DRUMS. KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION.

**INCOMPATIBLE PRODUCTS:** NONE KNOWN

**CONDITIONS FOR SAFE STORAGE:** STORE AWAY FROM FLAME AND EXCESSIVE HEAT. TO AVOID SPONTANEOUS FIRE, STORE WIPING RAGS AND SIMILAR MATERIAL IN UL/FM APPROVED CONTAINERS WITH TIGHT FITTING LIDS. SPILLED PRODUCT PRESENTS A SLIP HAZARD. KEEP IN A COOL SHELTERED PLACE. TO MAINTAIN PRODUCT QUALITY, DO NOT STORE IN HEAT OR DIRECT SUNLIGHT.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

AS AN AIRBORNE MIST CONTAINING VEGETABLE OIL, EXPOSURE LIMITS PERTAINING TO "VEGETABLE OIL MIST":

**OSHA PERMISSIBLE EXPOSURE LIMITS (PEL):** TWA: 5 MG/M<sup>3</sup> MIST, RESPIRABLE FRACTION TWA: 15 MG/M<sup>3</sup> MIST, TOTAL

**ACGIH THRESHOLD LIMIT VALUE (TLV):** TVL: 10 MG/M(3)

**ENGINEERING CONTROLS:** ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. APPLY TECHNICAL MEASURES TO COMPLY WITH THE OCCUPATIONAL EXPOSURE LIMITS.

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION:** IN CASE OF MIST, SPRAY OR AEROSOL EXPOSURE WEAR SUITABLE PERSONAL RESPIRATORY PROTECTION.

**HAND PROTECTION:** OIL RESISTANT GLOVES ARE RECOMMENDED.

**EYE PROTECTION:** IF EXPOSED TO AIRBORNE MIST, OR IF SPLASHING IS POSSIBLE, APPROPRIATE SAFETY GLASSES WITH SIDE-SHIELDS OR SAFETY GOGGLES ARE RECOMMENDED.

**SKIN AND BODY PROTECTION:** APPROPRIATE BODY PROTECTION SHOULD BE SELECTED BASED ON ACTIVITY AND POSSIBLE EXPOSURE. ALSO TAKE INTO CONSIDERATION THE SPECIFIC LOCAL CONDITIONS UNDER WHICH THE PRODUCT IS USED.

**HYGIENIC MEASURES:** HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	LIGHT YELLOW LIQUID
<b>UPPER EXPLOSION LIMIT:</b>	NO DATA AVAILABLE
<b>LOWER EXPLOSION LIMIT:</b>	NO DATA AVAILABLE
<b>ODOR:</b>	SLIGHT VEGETABLE OIL
<b>ODOR THRESHOLD:</b>	SLIGHT VEGETABLE OIL
<b>VAPOR PRESSURE:</b>	NO DATA AVAILABLE
<b>VAPOR DENSITY:</b>	>1
<b>MELTING/FREEZING POINT:</b>	APPROX. -20 °C / -4 °F
<b>INITIAL BOILING POINT:</b>	NO DATA AVAILABLE
<b>BOILING RANGE:</b>	NO DATA AVAILABLE
<b>FLASH POINT:</b>	APPROX. 321 °C / 610 °F
<b>EVAPORATION RATE:</b>	NO DATA AVAILABLE
<b>FLAMMABILITY (SOLID, GAS):</b>	NO DATA AVAILABLE
<b>PARTITION COEFFICIENT (N-OCTANOL/WATER):</b>	NO DATA AVAILABLE
<b>AUTO-IGNITION TEMPERATURE:</b>	NOT AUTO-FLAMMABLE
<b>DECOMPOSITION TEMPERATURE:</b>	NO DATA AVAILABLE
<b>VISCOSITY:</b>	NO DATA AVAILABLE

## 10. STABILITY AND REACTIVITY

**STABILITY:** STABLE UNDER NORMAL CONDITIONS

**REACTIVITY:** NO DATA AVAILABLE

**POSSIBILITY OF HAZARDOUS REACTIONS:** NONE UNDER NORMAL PROCESSING

**CONDITIONS TO AVOID:** KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION

**MATERIALS TO AVOID:** NONE KNOWN



# Safety Data Sheet

**HAZARDOUS DECOMPOSITION PRODUCTS:** THERMAL DECOMPOSITION LEADS TO FORMATION OF ACROLEIN, CARBON MONOXIDE (CO), CARBON DIOXIDE (CO<sub>2</sub>), SMOKE, FUMES.

## 11. TOXICOLOGICAL INFORMATION

### LIKELY ROUTES OF EXPOSURE

**INHALATION:** NO DATA AVAILABLE

**INGESTION:** NO DATA AVAILABLE

**SKIN CONTACT:** NO DATA AVAILABLE

**EYE CONTACT:** NO DATA AVAILABLE

**DELAYED EFFECTS:** NO DATA AVAILABLE

**CHRONIC EFFECTS:** NO DATA AVAILABLE

**SYMPTOMS AND IMMEDIATE EFFECTS:** EXCESSIVE INHALATION OF OIL MIST MAY AFFECT THE RESPIRATORY SYSTEM. SENSITIVE INDIVIDUALS MAY EXPERIENCE DERMATITIS AFTER PROLONGED EXPOSURE OF OIL ON THE SKIN.

### **CARCINOGENICITY:**

IARC: NO DATA AVAILABLE

NTP: NO DATA AVAILABLE

OSHA: NO DATA AVAILABLE

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL EFFECTS AND ECOTOXICITY:** NO DATA AVAILABLE

**PERSISTENCE AND DEGRADABILITY:** READILY BIODEGRADABLE.

**BIOACCUMULATIVE POTENTIAL:** NO DATA AVAILABLE

**MOBILITY IN ENVIRONMENTAL MEDIA:** NO DATA AVAILABLE

**OTHER INFORMATION:** NOT APPLICABLE

## 13. DISPOSAL CONSIDERATIONS

**PRODUCT TREATMENT AND DISPOSAL:** DISPOSE OF IN COMPLIANCE WITH THE LAWS AND REGULATIONS PERTAINING TO THIS PRODUCT IN YOUR JURISDICTION. OIL SOAKED MATERIALS MAY SPONTANEOUSLY COMBUST AND SHOULD BE PROPERLY MANAGED TO AVOID IGNITION AND HEAT SOURCES OR OXYGEN RICH ENVIRONMENTS. COLLECT AND STORE SOAKED MATERIALS IN CLOSED, METAL CONTAINERS TO HELP PREVENT COMBUSTION



# Safety Data Sheet

**PRODUCT REMNANT TREATMENT AND DISPOSAL:** SAME METHOD AS INDICATED FOR PRODUCT.

**PACKAGING TREATMENT AND DISPOSAL:** EMPTY CONTAINERS SHOULD BE DECONTAMINATED AND TAKEN FOR LOCAL RECYCLING, RECOVERY OR WASTE DISPOSAL.

## 14. TRANSPORT INFORMATION

**UN NUMBER:** NOT APPLICABLE

**UN SHIPPING NAME:** NOT APPLICABLE

**HAZARD CLASS:** NOT CLASSIFIED

**HAZARD NUMBER:** NOT CLASSIFIED

**PACKAGING GROUP:** NOT CLASSIFIED

**ENVIRONMENTAL HAZARD:** NOT CLASSIFIED

**BULK TRANSPORT:** NOT CLASSIFIED

**SPECIAL PRECAUTIONS:** NOT APPLICABLE

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES:

SOYBEAN OIL IS REPORTED IN THE FOLLOWING INVENTORIES:

TSCA: YES

DSL: YES

NDSL: NO

EINECS: YES (232-274-4)

ELINCS: NO

AICS: YES

ENCS ISHL: NO

CHINA: YES

PICCS: YES

KECL: YES (KE-31718)

NZIOC: YES

### USA FEDERAL REGULATIONS:

#### OZONE DEPLETING SUBSTANCES

NO CLASS I OR CLASS II MATERIAL IS KNOWN TO BE USED IN THE MANUFACTURE OF, OR CONTAINED IN, THIS PRODUCT.

#### SARA 313

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY CHEMICALS WHICH



# Safety Data Sheet

ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT OR REGULATIONS CONTAINED IN 40 CFR 372.

## **CERCLA/SARA 103-302**

SECTIONS 103-302 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT OR REGULATIONS CONTAINED IN 40 CFR 103-302.

## **SARA 311/312 HAZARDOUS CATEGORIZATION**

ACUTE HEALTH HAZARD: NO  
CHRONIC HEALTH HAZARD: NO  
FIRE HAZARD: NO  
SUDDEN RELEASE OF PRESSURE HAZARD: NO  
REACTIVE HAZARD: NO

## **CLEAN AIR ACT, SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) (SEE 40 CFR 63)**

THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY HAPS.

## **CALIFORNIA PROPOSITION 65**

PROPOSITION 65 CHEMICALS ARE NOT EXPECTED TO BE FOUND IN THIS PRODUCT ABOVE THOSE NATURALLY PRESENT IN THEIR AGRICULTURAL SOURCE. PROPOSITION 65 EXEMPTS NATURALLY OCCURRING LISTED CHEMICALS FROM AN OBLIGATION TO LABEL.

## **STATE RIGHT-TO-KNOW**

CHEMICAL NAME: SOYBEAN OIL  
WEIGHT %:99-100  
MASSACHUSETTS: NO  
MINNESOTA: NO  
NEW JERSEY: NO  
PENNSYLVANIA: YES

## **CANADA**

### **WHMIS PRODUCT CLASSIFICATION**

NOT A WHMIS CONTROLLED PRODUCT.

### **WHMIS INGREDIENT DISCLOSURE LIST IDL**

NO KNOWN COMPONENT IS LISTED ON THE WHMIS INGREDIENTS DISCLOSURE LIST.

## **MEXICO**

### **MEXICO - GRADE**

SLIGHT RISK, GRADE 1



# Safety Data Sheet

## 16. OTHER INFORMATION

### DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

Revision Date: 05/12/2015

<end of document>