



Material Safety Data Sheet

Date Issued: 06/12/1994
Date Revised: 03/02/1997
Date Reviewed: 06/01/1999

CARGILL PRODUCT: 44%, 47.5% and 48% Protein Soybean Meal
CUSTOMER: Fill in Customer Name

PRODUCT NAME: Soy Meal, Soybean Meal, and Hi-Pro
TRADE NAME AND SYNONYMS:

CHEMICAL FAMILY: GLYCERIDE OILS

CAS NUMBER: N/A

HMIS CODE: H F R P
0 1 0 A

SECTION I – MANUFACTURER'S IDENTIFICATION

MANUFACTURER'S NAME: Cargill, Incorporated
ADDRESS: Vegetable Oils, P.O. Box 5396,
Minneapolis, Minnesota 55440
24 HOUR EMERGENCY ASSISTANCE: Chemtrec: (800) 424-9300
GENERAL MSDS ASSISTANCE: (612) 742-6683

SECTION II – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Is not hazardous under the Department of Labor definitions.

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE: Not applicable **VAPOR DENSITY:** Not applicable
SPECIFIC GRAVITY (H₂O=1): N/A **VAPOR PRESSURE:** Not applicable
PERCENT VOLATILE BY VOLUME: 0% **SOLUBILITY IN WATER:**
Insoluble
EVAPORATION RATE: Not applicable **WEIGHT / GALLON:** Not applicable.

APPEARANCE AND ODOR: A pale yellow to golden granular dry material – typical odor associated with protein feed substrate.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: Not applicable.



CARGILL FOODS

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FLASH POINT: Not Applicable

METHOD USED: Cleveland Open Cup

EXTINGUISHING MEDIA: CO₂, dry chemical, sand.

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SECTION IV –FIRE AND EXPLOSION HAZARD DATA (continued)

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V –REACTIVITY DATA

STABILITY: None.

CONDITIONS TO AVOID: None.

INCOMPATIBILITY (MATERIALS TO AVOID): None

HAZARDOUS DECOMPOSITIONS OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI –HEALTH HAZARD DATA

THRESHHOLD LIMIT VALUES: Not applicable

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Excessive inhalation of meal dust may affect the respiratory system.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Sensitive individuals may experience dermatitis after long exposure of meal on skin.

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute: none observed by inhalation. Chronic: none reported.

EMERGENCY AND FIRST AID PROCEDURES FOR:

- ❖ SKIN CONTACT: May be removed from skin by washing with soap and warm water.
- ❖ INHALATION: Expose individual to fresh air source.

SECTION VII –PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Depending on quantity of spill: (a) Small spill - add solid adsorbent, shovel into disposable container and hose down area. Clean area with detergent. (b) Large spill -



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Squeegee or pump into holding container. Clean area with detergent.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.

SECTION VIII –CONTROL MEASURES

RESPIRATORY PROTECTION: Not normally needed.

VENTILATION: Intermittent clean air exchanges recommended, but not required.

PROTECTIVE GLOVES: Not normally needed.

EYE PROTECTION: Not normally needed.

SECTION IX –SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store away from flame and fire, AND excessive heat.

SECTION X –DISCLAIMER AND / OR COMMENTS

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

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