

SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY INFORMATION

General Product Name: **Soybean Meal**
Revision Date: 1/10/2021
Synonyms: Soymeal, soya, soybean flour, meal
Product Use: Food product, used as a feed component, in non-food applications, food compatible product used in technical applications and industrial applications
CAS Number: 68308-36-1
Manufacturer: Louis Dreyfus Company Agricultural Industries
Claypool, IN 45610
Emergency Contact Number: 574/566-2100

2. COMPOSITION/INFORMATION

INGREDIENTS:	CAS Number	Volume %
Soybean Meal	68308-36-1	>99.9%

3. HAZARDS IDENTIFICATION

NFPA/HMIS Ratings: Health-1 Flammability-1 Reactivity-0

INHALATION:

May cause lung congestion if dust is inhaled. Otherwise, negligible unless heated to produce smoke. Remove to fresh air.

EYE CONTACT:

May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.

SKIN CONTACT:

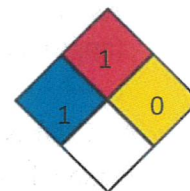
Prolonged or repeated contact is not likely to cause slight skin irritation.

INGESTION:

No hazards anticipated from ingestion incidental to industrial exposure.

Chronic Effects

Repeated contact may cause allergic reactions in very susceptible persons.



4. FIRST AID MEASURES

INHALATION:

Remove from area of exposure; seek medical attention if symptoms persist.

EYES:

Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes.

SKIN:

Wash exposed areas of the body with soap and water.

INGESTION:

Give water to drink. If gastro-intestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

5. FIRE FIGHTING MEASURES

Flammable Properties: Fine dust dispersed in air may ignite. Risks of ignition followed by flame propagation or secondary explosions should be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

Flash Point: NA

Flammability limits: Not known

Auto Ignition Temperature: No information available

EXTINGUISHING MEDIA:

Treat as Class A. Use Water spray, CO₂, foam, or halon.

SPECIAL FIRE FIGHTING PROCEDURES:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES CLEAN-UP PROCEDURES

Personal Precautions: Use personal protective equipment. Avoid dust formation. Material can create slippery conditions.

Environmental Precautions Local authorities should be advised if significant spillages cannot be contained or enters waterways.

Methods for Clean-up Sweep up and shovel into suitable containers for disposal

7. HANDLING AND STORAGE

Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition. Refer to 29CFR 1910.272 Grain Handling Standard. Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities".

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	OHSA
Particulates not otherwise regulated	TWA: 10 mg/m ³	TWA: 15 mg/m ³ (total) STEL - 5 mg/m ³ (respirable)	None	TWA: 10 mg/m ³ TWA: 3 mg/m ³

Legend: ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values. OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits. TWA - Time weighted average. STEL - Short Term Exposure Limit. Ceiling - Ceiling Limit Value. NIOSH – National Institute of Occupational Safety and Health, IDLH - Immediately Dangerous to Life and Health, OHSA - Ontario Occupational Health and Safety Act Exposure Limits.

ENGINEERING CONTROLS:

Use general ventilation, local exhaust suggested in enclosed or confined spaces. If dust is generated, wear a NIOSH approved particulate respirator.

PROTECTIVE CLOTHING:

- Eye / face protection - Wear safety glasses with side shields (or goggles).
- Skin protection – Long sleeved clothing and protective gloves.
- Respiratory protection - If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

OTHER PROTECTIVE MEASURES:

Employees must practice good personal hygiene, washing exposed areas of in several times daily and laundering contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid
Boiling Point: NA
Solubility in H₂O, % by Volume: dispersible
Melting/Freezing Point: No information
Specific Gravity: No Information
pH: No information
Vapor Pressure, mm Hg: No information
Evaporation Rate, Butyl Acetate =1: No Information
Vapor Density, Air =1 No information
Appearance and Odor: pale yellow solid, mild cereal odor

10. STABILITY AND REACTIVITY

GENERAL: This product is stable and hazardous polymerization will not occur.

CONDITION TO AVOID: Heat, flames and sparks, material is combustible.

INCOMPATIBLE MATERIALS AND CONDITONS TO AVOID: None known

HAZARDOUS DECOMPOSTION PRODUCTS: Combustion produces carbon monoxide, carbon dioxide along with thick smoke.



POSSIBILITY OF HAZARDOUS REACTION: None known

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

Not listed as carcinogenic according to IARC, NTP, ACGIH or OSHA.

IRRITANT

No Information

SENSITIZER

No Information

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not expected to be harmful to aquatic organisms.

PERSISTENCE/DEGRADABILITY: Readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste may be disposed of by a licensed waste disposal company in an approved landfill. Follow local, state, and federal disposal regulations. As supplied, does not meet the definition of RCRA waste under 40 CFR 261.

14. TRANSPORT INFORMATION

UN HAZARD CLASS: N/A

Not regulated as dangerous goods under DOT/IATA/IMDG/TDG

15. REGULATORY INFORMATION:

OSHA STATUS:

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as noted in Sections 2 and 3.

TSCA STATUS: This product is listed on TSCA.

CERCLA (Comprehensive Response Compensation and Liability Act): Not reportable.

SARA TITLE III (Superfund Amendments and Reauthorization Act):

Section 302 Extremely Hazardous Substances: None.

Section 311/312 Hazard Categories: Non-hazardous.

Section 313 Toxic Chemicals: None.

CLEAN AIR ACT, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product is not known to contain any HAPS.

RCRA STATUS:



If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste, (40 CFR 261.20-24).

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.

16. OTHER INFORMATION:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

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