

Material Safety Data Sheet SOYBEAN MEAL

Section 1 - Product Identification

Synonyms : Soybean Cake
Molecular Weight : Not Applicable
Chemical Formula : Not Applicable
Company Identification : Tradeasia International Pte. Limited
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Recommended use of the chemical and restrictions on use

The product is used in food manufacturing, in particular in :

- Animal Feed

Section 2 – Composition/Information on Ingredients

The product contains greater than 90.0 percent (%) soy flakes

Name	EC No/CAS No	Purity, %
Soybean meal	269-648-1/68308-36-1	Min. 90.0

Section 3 – Hazards Identification

3.1 Classification of the substance according to GHS

3.1.1 Physical Hazards

Flammable

Dust particles generated might be combustible

3.1.2 Health Hazards

Eye irritant

May cause slight eye irritation

Skin irritant

Might cause skin irritation, very low possibility in normal industrial handling

Ingestion

Might cause irritation in throat and may produce allergic reaction.

Inhalation

Might cause respiratory tract irritation. May produce allergic reaction.

3.2. GHS Label elements, including precautionary statements



Causes eye and skin irritation



Avoid open flames or other ignition sources

3.3. Other hazards which do not result in classification

None

Section 4 – First-Aid Measures

4.1. Description of first aid measures

Skin contact

Wash immediately with water and soap. If skin irritation is experienced upon contact, seek medical attention.

Eye contact

Use eye wash fountain or fresh water to cleanse eye. If irritation persists for more than 15 minutes, seek medical attention.

Inhalation

If symptoms such as nose or throat irritation are observed, remove to fresh air. Consult a physician immediately if allergic reactions are experienced.

Ingestion

Give several glasses of water for dilution. Consult a physician immediately if allergic reactions are experienced.

4.2. Most important symptoms and effects, both acute and delayed

N.A.

4.3. Indication of any immediate medical attention and special treatment needed

N.A.

Section 5 – Fire Fighting Measures

5.1. Suitable Extinguishing media

Any fire extinguishing media may be used on nearby fires (Water, Carbon dioxide, Powder).

5.2. Specific hazards arising from the chemical

Dust explosion might be caused by build-up of dust suspended in air.

5.3. Special protective actions for fire-fighters

Not Applicable

5.4 Flash Point

Not Applicable

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. In case of exposure to prolonged or high level of airborne dust, wear a personal respirator in compliance with national legislation.

6.2. Environmental precautions

Not Applicable.

6.3. Methods and material for containment and cleaning up

Use appropriate tools to collect material and dispose of in an approved waste disposal container as per local requirements.

Section 7 – Handling and Storage

7.1. Precautions for safe Handling

Handle in areas with adequate ventilation to avoid inhalation of dust and avoid direct contact with skin or eyes. Handle in areas with no ignition sources. Wear suitable personal protective and respiratory equipment. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry and cool place with adequate ventilation. Containers should be tightly sealed to avoid contamination. Avoid dust formation and ignition sources in areas where dust might be generated.

Section 8 – Exposure Controls/Personal Protection

8.1. Control parameters

Concentration of airborne dust should be kept low according to local exposure limits.

8.2. Appropriate engineering controls

Use local exhaust ventilation to keep airborne concentrations of dust below local permissible exposure levels.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection

In case of prolonged exposure to dust wear a personal respirator in compliance with local requirements.

Eyes and hands protection

Personal protective equipment such as goggles and gloves may be worn to reduce the risk of skin and eye irritation. Wash hands before and after handling.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance : Tanned or dark brown flakes

Odour : odourless

Odour threshold : Not Applicable

pH : Not Applicable

Melting point : Not Applicable

Boiling point : Not Applicable

Flash point : Not Applicable

Evaporation rate : Not Applicable

Solubility in water : Not Applicable

Auto-ignition temperature : No information available

Decomposition temperature : No information available

Section 10 – Stability and Reactivity

10.1. Chemical Stability

Soybean meal is a stable product under normal conditions as described in section 7.

10.2. Possibility of hazardous reactions

No hazardous reactions.

10.3. Conditions to avoid:

Avoid dust formation and presence of ignition sources.

10.4. Incompatible materials

Not Applicable.

10.5. Hazardous decomposition products

Not Applicable.

Section 11 – Toxicological Information

11.1. Information on toxicological effect

Soybean meal does not contain toxic or hazardous substances.

11.2. Substances

Acute toxicity⁽²⁾

Excessive inhalation might cause nose, throat and lung irritation or allergic reactions.

Skin corrosion / irritation

Mild skin irritation might be experienced due to contact with dust generated.

Serious eye damage/ irritation

Dust particles generated and suspended in air might cause irritation in eyes.

Respiratory or skin sensitization

Dust might cause allergic reaction and irritation of respiratory tract.

Germcell mutagenicity

Not Applicable

Carcinogenicity

Not Applicable

Reproductive toxicity

Not Applicable

STOT-single exposure

Not Applicable

STOT-repeated exposure

Not Applicable

Aspiration Hazard

Not Applicable

Section 12 – Ecological Information

12.1. Toxicity

Soybean meals are not classified as environmentally hazardous. Large spills should be avoided.

Section 13 – Disposal Considerations

13.1. Disposal methods

Dispose of in compliance with local requirements and regulations. Flush area with large amounts of water after disposing of waste.

Section 14 – Transport Information

No special requirements or restrictions for transport of soybean meal via land, sea, or air.

Section 15 – Regulatory Information

15.1. Safety, health and environmental regulations

All electrical equipment must be suitable for use in hazardous atmospheres involving combustible dust in accordance with 29 CFR 1910.307.

Combustible dust is considered as a “hazard, other than chemical” as defined in OSHA hazard communication standard, 29 CFR 1910.1200

Soybean meal itself does not contain any toxic chemicals and is not listed in any chemical inventory listing.

Section 16 : Additional Information

16.1. Main changes made to the previous version of this Material Safety Data Sheet (MSDS):

- This MSDS complies with ISO 11014; the requirements of UN-GHS

Revision No	Revision content
01	• This SDS is updated in accordance with the GHS (Rev.6) (2015)-Guidance on the Compilation of Safety data Sheets.

16.2. List of abbreviation and acronyms used in this MSDS

SDS : Safety Data Sheets

CAS No : Chemical Abstracts Service number

EC No : EINECS Number : European Inventory of Existing Commercial Substances

GHS : Globally Harmonised System of Classification and Labelling

N.A. : Not Applicable

TLV : Threshold Limit Value

UN : United Nations

OSHA : Occupational Safety & Health Administration

16.3. Disclaimer of Liability

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