



MATERIAL SAFETY DATA SHEET (MSDS)

SOYBEAN HULLS

1. Company and Product Identification

- Product name: Soybean Hulls
- Company: Sementes Selecta S.A.
- Address: Road MG 029, Km 2,6, Distrito Industrial, Araguari / MG, Brasil.
- Phone: +55 (34) 2109-7300
- Fax: +55 (34) 2109-7301
- E-mail: qualidade@selecta.com.br

2. Hazard Identification

- Non classified as a hazard product.

3. Composition and Information about Ingredients.

- Composition: Cellulose, Hemi Cellulose, Lignin and Soybean Oil
 - Cellulose: CAS N°9004-34-6
 - Hemi Cellulose: CAS N°9025-56-3
 - Lignin: CAS N°9005-53,2
 - Soybean Oil: CAS N°8001-22-7

4. First Aid Measures

- Eye contact: Flush with fresh water for 5 minutes
- Skin contact: Flush with water

5. Fire Fighting Measures

- Flammability: Product not flammable, but the fine particles in air suspension may cause self ignition at high temperatures or explosion in contact with a spark.
- Extinguishing Agents: Foam and water.



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6. Accidental Spilling Measure

- Sweep and collect the product.

7. Handling and storage

- Eliminate any action that emits spark, as smoke.
- Protect the product against contamination, use clean and dry utensils to movement it.
Follow the Good Manufacturing Practices for feed and food companies.

8. Exposure and Personal Protection

- It is necessary to use protection mask and glass while handling the product.

9. Physical and Chemical Properties

- Appearance: Light brown
- Physical state (ambient temperature): Solid
- Density (g/cm³): 0,25 (Non compact)
- Density (g/cm³): 0,50 (for pellet)
- Solubility in water: Less than 1%
- Melting Point: No information found.
- Auto Ignition Point: No information found.

10. Stability and Reactivity

- The product is stable under normal conditions of storage and use.
- The product is of vegetable origin and its decomposition produces CO₂.



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11. Toxicological Information

- The product is not considered toxic and dangerous. However it is necessary to evaluate the person sensitivity in case of high contact with product (in this case contact immediately a doctor).

12. Ecological Information

- The product is the result of the soybeans process. It is not considered a hazard to the environmental.

13. Disposal and Treatment Considerations

- Consult the current local law before disposal or treat the product.

14. Transport Information

- Use dry and clean equipment for the transport.
- No regulation for identification applied.

15. Regulatory Information

- Not applicable.

16. Other Information

- This product is recommended for feed applications.