



SOY BEST®

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200 (g) and GHS Rev 03.

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Revision 06/01/2015

1. Identification

- **Product Identifier- Trade Name:** Soybean Oil
- **Intended Use:** Food (Use Only in Animal Feeds), Further Manufacturing
- **Manufacturer:** Grain States Soya, Inc.
PO Box 157, 400 Johnson Road
West Point, NE 68788
402-372-2429
- **Emergency telephone number:** 402-372-2429

2. Hazard(s) Identification

- **Classification:** The substance is not classified according to the Globally Harmonized System (GHS).
- **Label Elements:** Non-Regulated Material
- **Hazard Statement(s):** Non-Regulated Material
- **Precautionary Statement (s):** Non-Regulated Material
- **Emergency Overview:**
 1. **Appearance-**Clear yellow to amber liquid
 2. **Physical State-**Liquid
 3. **Odor-**Slight/Light Vegetable oil
- **Hazard(s) not otherwise classified (HNOC):** None known

3. Composition/Information on Ingredients

Component	CAS	Concentration
Soybean Oil	8001-22-7	Up to 100%

4. First-Aid measures

- **General Information:** No special measures required.
- **Inhalation:** Move to fresh air. Seek medical attention for any breathing difficulty.
- **Eye contact:** Rinse opened eye thoroughly with water for 15 minutes. Seek medical attention as needed.
- **Ingestion:** If swallowed, rinse mouth with water and give several glasses of water to dilute. DO NOT induce vomiting. If spontaneous vomiting occurs, keep



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- **Ingestion (Cont'd)** head below hips, of if person is laying down, turn body and head to side prevent aspiration and monitor for breathing difficulty. Never give anything by mouth to an unconscious person. Seek medical attention.
- **Skin contact:** Wash skin with soap and water. Seek medical attention if irritation, Redness or rashes develop.
- **Symptoms/effects: (acute and delayed)** No further relevant information available.

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Class B fire extinguishing media such as CO₂, dry chemical, sand or foam can be used.
- **Unsuitable Extinguishing Media:** Water
- **Hazardous Combustion products:** This product is not a flammable liquid per the OSHA Hazard Communication Standard, but may ignite and/or burn at temperatures exceeding the flash point. Spontaneous combustion may occur under high temperature, closed conditions if material is absorbed in various fiber matrices and oxygen is present (e.g. oily rags). For additional fire related information, see NFPA 30 or the North American Emergency Response Guide 128.
- **Additional information:** Application of water to burning oil can cause spattering. Oil will float on water.

6. Accidental Release Measures

- **Personal Precautions/Personal Protective Equipment/Emergency Procedures:** Keep public away. Isolate and evacuate area. Shut off source if safe to do so. Avoid creating aerosols and contaminated surfaces may be slippery.
- **Methods and Materials for containment/Safe Storage:** Contain liquid with sand or soil.
- **Cleanup:** Absorb with liquid binding material (ie: sand, diatomite, acid binders, universal binders, sawdust, soybean meal).

7. Handling and Storage

- **Handling:** Avoid repeated and prolonged skin contact. Ensure adequate ventilation is being used.
- **Storage:** Avoid storing next to ignition sources. Store in properly closed containers that are appropriately labeled and in a cool, well ventilated area. Store soiled rags in an enclosed metal can with a tight fitting lid. Do not keep soiled rags or absorbent material under high temperatures.

8. Exposure Controls/Personal Protection

- **Exposure controls/PPE:** Evaluate hazard assessment to determine PPE. PPE that should be considered are; safety glasses/goggles, face shield, gloves and respiratory protection.
- **Control Parameters-Components with Occupational exposure limits:**
 - **8001-22-7 Soybean Oil**
 - **TWA**
 1. Short-term value: 5 mg/m³
 2. Long-term value: 15 mg/m³



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- **General Protective and Hygienic measures:** Wash hands before breaks and at end of work. Avoid contact with the eyes and skin. Handle in accordance with good industrial hygiene and safety practice.
- **Ventilation/Mechanical:** Use exhaust systems as a form of ventilation, especially in confined areas.
 - Ensure that air handling systems (IE: Ducts, vessels and air handlers) are designed in a manner to handle vapor or mists of oil particulates.

9. Physical and Chemical Properties

- **Appearance:** Clear yellow to amber
- **Physical State:** Liquid
- **Odor:** Light vegetable oil
- **Solubility in Water:** Insoluble
- **Odor Threshold:** N/A
- **PH:** N/A
- **Melting Point/Boiling Point:** N/A
- **Flash Point:** 200 F
- **Flammable limits:** LEL-N/A, UEL-N/A
- **Danger of Explosion:** Product does not present an explosion hazard.
- **Vapor Pressure:** N/A
- **Vapor Density:** N/A
- **Partition Coefficient:** N/A
- **Relative Density:** N/A
- **Auto-ignition temperature:** Unknown
- **Decomposition temperature:** Not determined
- **Viscosity:** N/A

10. Stability and Reactivity

- **Reactivity:** Stable under normal conditions
- **Chemical Stability:** Stable under normal conditions
- **Hazardous Reactions/Conditions to Avoid:** Excessive heat, sparks, sources of ignition and open flame.
- **Hazardous decomposition:** Thermal decomposition will produce oxides of carbon.
- **Incompatible materials:** Strong oxidizing agents.

11. Toxicological Information

- **Routes of Entry:** Inhalation, Ingestion, Skin and Eyes.
- **Carcinogenicity Categories:** IARC (International Agency for Research on Cancer), NTP (National Toxicology Program) substance is not listed, OSHA (Occupational Safety & Health Administration) substance is not listed.
- **Acute:** No irritating effect.
- **Chronic:** No irritating effect.
- **Additional toxicological information:** Soybean oil is expected to have a low order of oral, dermal and inhalation toxicity. When used and handled according to specifications, the product does not have any harmful effects according to our experience. The substance is not subject to classification.



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- **Signs and Symptoms of Exposure:** Repeated or prolonged skin contact may cause itching, reddening or drying. May cause an allergic reaction if ingested.

12. Ecological information

- **Ecotoxicity:** This product is not expected to be harmful to aquatic organisms.
- **Persistence and degradability:** Expected to be inherently biodegradable.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects:** No information available.

13. Disposal Considerations

- **Waste treatment methods**
Recommendation: Review local, state and federal regulations before cleaned up materials are introduced into sewer system or waste treatment systems.
- **Disposal of Wastes:** The user is responsible for determining if any discarded material is a hazardous waste (40 CFR 262.11).

14. Transport Information

- **DOT (49 CFR 172.101)**

UN Proper shipping name:	Not regulated
UN/Identification No:	Not applicable
Transport Hazard Class(es):	Not applicable
Packing group:	Not applicable

15. Regulatory Information

EPA Superfund Amendment & Reauthorization Act (SARA)

- **Section 302/304/355 (Extremely Hazardous Substances/Threshold Planning Quantities/Hazardous substances) EHS or CERCLA-** Substance is not listed
- **Section 313 (Specific toxic chemical listings)-**Substance is not listed
- **All other additional regulations-**Substance is not listed

16. Other Information

- This Safety Data Sheet covers Soybean Oil in its natural state and does not include chemicals that may be applied by subsequent handlers and/or distributors of this product. The information and recommendations listed on this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. The information was obtained from sources that we believe are reliable; however, the information is provided without any representation or warranty, expressed or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge.



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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 the handling, storage, use, or disposal of this product. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.	
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