



SAFETY DATA SHEET

Creation Date 11-29-17

Revision Date: None

Revision Number: None

1. Identification

Product Name Cottonseed Oil
SDS Number CSO01
Synonyms PBSY, CSO
Intended Use Food Ingredient
Manufacturer Planters Cotton Oil Mill, Inc.
2901 Planters Drive
Pine Bluff, Arkansas 71601
Emergency Health and Safety Number 870-534-3631
SDS Information **PHONE:** 870-534-3631
EMAIL: info@plantersoil.com
URL: <http://www.plantersoil.com/SDS>
VERSION DATE: 11-29-17
Description Vegetable oil, clear to yellow liquid.

2. Hazard(s) Identification

Department of Health and Human Services Food and Drug Administration CFR parts 170,184,186, vegetable oil (cottonseed oil) is generally recognized as safe (GRAS). Cottonseed oil is produced and supplied in compliance with the Federal Food, Drug and Cosmetic Act for edible products. Thus is of edible grade and presents no health hazards. Non-Dangerous goods.

3. Composition/Information on Ingredients

Component	CAS-No	Concentration
Cottonseed Oil	8001-29-4	100%

4. First Aid Measures

Inhalation: If breathing is difficult, remove to fresh air and keep at rest in a comfortable position for breathing. Call a physician if symptoms develop or persist.

Ingestion: Not considered an industrial hazard. Rinse mouth. If ingestion of a large amount does occur, get medical

attention immediately.

Skin Contact: Wash affected area with soap and water. Get medical attention if irritations develop and persist.

Eye Contact: Flush eye with water, not considered a hazardous material. Get medical attention if irritation develops and persists.

General Information: Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

5. Firefighting Measures

Suitable Extinguishing Media: Use dry chemical, carbon dioxide (CO₂), or appropriate foam.

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher as this will spread the fire. Apply water fog gently, heavy application to hot oil could cause foaming.

Specific Hazards: No unusual fire or explosion hazards noted. Avoid skin contact with hot oil. Surfaces covered in oil are very slick. Exercise care to avoid personal injury due to fall.

Special protective equipment and precautions for firefighters: Wear suitable protective equipment. Water sprayed onto burning material may cause frothing and splattering of burning liquid with possible injury to firefighting personnel.

Fire-fighting equipment/instructions: As with all fires, evacuate personnel to a safe area. Firefighters should use self contained breathing equipment and protective clothing.

Specific methods: Cool containers exposed to flames with water until well after the fire is out.

6. Accidental Release Measures

Personal Precautions, protective equipment & emergency procedures: Notify personnel of large spills, keep unnecessary personnel away from the area. Wear appropriate protective equipment

and clothing during clean up. Oil will cause the area to become extremely slippery, caution required.

Methods and materials for containment and cleaning up:

Contain oil with bunding or expedient dikes. Soak up oil with a suitable absorbent material or pump to a waste container. Clean area with large amounts of soapy water.

Waste Disposal:

See Section 13 of the SDS.

7. Handling and Storage

Precautions for safe handling:

Clean equipment and work surfaces with suitable detergent after use. Eating, drinking or smoking is prohibited in work areas. Wear appropriate clothing or eyewear as deemed necessary. Overheated oil can burn. If the oil starts to smoke, reduce or remove from heat source immediately.

Conditions for safe storage:

Surfaces covered in oil are very slick. Exercise care to clean spills immediately to avoid personal injury due to falls on slippery surfaces. Rags, waste paper or other materials absorbing this product with other by-products of its use, or oxidizing agents, may heat and spontaneously ignite if exposed to air. Always store rags, waste paper and other materials absorbing this product in metal cans, with tight fitting lids, and in accordance with all Federal, State and Local laws, rules and regulations.

8. Exposure Control/Personal Protection

Occupational Exposure Limits:

US OSHA table Z-1 limits for air contaminants (29CFR1910.1000)
Cottonseed oil (CAS 8001-29-4) PEL 5mg/m³ Respirable Fraction

Biological Limit Values:

No biological exposure limits noted

Appropriate Engineering Controls:

Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls.

Individual Protection Measures, such as Personal Protective Equipment:

Eye/ Face Protection:	Safety glasses/goggles with side shields are recommended. Face shields or goggles may be required if splash potential exists. Maintain eyewash facilities in the work area.
Skin/Hand Protections:	Chemically compatible gloves. For handling solutions, insure the glove material is protective. Employees who are sensitive to natural rubber (Latex) should use nitrile or other synthetic non-latex gloves. Use of powdered gloves should be avoided.
Other:	For handling of laboratory quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary.
Respiratory Protection:	Where respirators are deemed necessary, use approved respiratory protection and have an effective respirator program in place.
Thermal Warnings:	Overheated oil can burn. Wear appropriate protection to avoid burns.
General Hygiene Considerations:	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical State:	Oily Liquid
Appearance:	Light or Pale Yellow
Odor:	Practically odorless
pH:	Not Available
Vapor Pressure:	Negligible
Vapor Density:	Greater than 1.0 (Air = 1)
Evaporation Rate:	Negligible
Boiling Point:	Not Available
Freezing Point:	38 F
Melting Point:	55 F
Autoignition Temperature:	650-675 F
Flash Point:	580-625F
Decomposition Temperature:	Not Available
NFPA Rating:	0-Health 1-Flammability 0-Instability (Cooking)
Explosion Limits:	Lower- N/A , Upper- N/A
Solubility:	Insoluble in water
Specific Gravity/Density:	Room Temperature-0.917 350 deg F-0.815

Viscosity:

100F-35.88 Centistokes

210F-8.39 Centistokes

350F-3.5 Centistokes

Partial Coefficient:

N-Octanol/Water: Not Available

Other Information: Chemical-Plant Oil
Other Solubility: Not Available

10. Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures

Conditions to Avoid: Ignition sources, incompatible materials, moisture, water or extreme heat.

Incompatibilities with other materials: Oxidizing agents, sulfides, metal nitrates, alkali carbonates alkalis, strong oxidizers.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, irritating and toxic fumes.

Hazardous Polymerization: Has not been reported

11. Toxicological Information

Information on like routes of exposure:

Ingestion: Based on available data, the classification criteria are not met

Inhalation: Due to lack of data the classification is not possible.

Skin Contact: Due to lack of data the classification is not possible.

Eye Contact: Due to lack of data the classification is not possible.

Symptoms related to the physical, chemical and toxicological and toxicological characteristics:

Due to lack of data the classification is not possible.

Acute Toxicity: Based on available data, the classification criteria are not met

Skin Corrosion/Irritation: Due to lack of data the classification is not possible.

Respiratory Sensitization: Due to lack of data the classification is not possible.

Gen Cell Mutagenicity: Due to lack of data the classification is not possible.

Carcinogenicity Due to lack of data the classification is not possible.
This product is not considered to be a carcinogen by IARC, ACGIN, NTP or OSHA.

Reproductive Toxicity Due to lack of data the classification is not possible.

Specific Target Organ Toxicity: Due to lack of data the classification is not possible.

Aspiration Hazard: Due to lack of data the classification is not possible.

12. Ecological Information: (Non-Mandatory)

Ecotoxicity: No ecotoxicity data noted

Persistence and Degradability:	No data is available on the degradability of this product.
Bioaccumulation Potential:	Not Available
Mobility in Soil:	Not Available
Other Adverse Effects:	Cottonseed oil is non-toxic and biodegradable.

13. Disposal Considerations: (Non-Mandatory)

Disposal Instructions:	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal Regulations (40 CFR 261.4 (b) (4). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations:
Local Disposal Regulations:	Not Available
Hazardous Waste Code:	Not Regulated
Waste from Residues/Unused Products:	Empty containers or lines may retain some product residues. This material must be disposed of in a safe manner. (see disposal instructions).
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Sewage Disposal:	Small quantities would not overload an industrial or public waste water treatment system. Large quantities should be disposed of by recovery of the product and/or use of an industrial waste disposal service.

14. Transport Information: (Non-Mandatory)

US Department of Transportation:	Not regulated as a hazardous material for transport by DOT.
International Air Transport Assn:	Not regulated as a dangerous good for transport by the IATA.

15. Regulatory Information: (Non-Mandatory)

US Federal Regulations:	CERCLA/SARA hazardous substances not applicable.
US State Regulations:	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
International Inventories:	Unknown

16. Other Information

This safety data sheet covers cottonseed 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 in this SDS 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. 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.