



Safety Data Sheet

SDS ID NO.: 0347MAR019
Revision date: 04/01/2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name: Marathon Petroleum Soybean Oil
Synonym: Soybean Oil; Refined Bleached and Deodorized Soybean Oil - Biodiesel, RB Soybean Oil, RBD Soybean Oil, Refined and Bleached Soybean Oil
Chemical Family: Triglyceride
Formula: Mixture
Manufacturer Name
Marathon Petroleum Company LP
539 South Main Street
Findlay OH 45840

SDS information: 419-421-3070
Emergency telephone number: 877-627-5463

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Information:

Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Avg.	Other:
Marathon Petroleum Soybean Oil	8001-22-7	100	Not Listed	5mg/m ³ mist, respirable fraction TWA 15mg/m ³ mist, total TWA	

Component Information:

Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Avg.	Other:
Soybean Oil	8001-22-7	100	Not Listed	5 mg/m ³ mist, respirable fraction TWA 15 mg/m ³ mist, total TWA	

Notes: The manufacturer has voluntarily elected to provide exposure limits contained in OSHA's 1989 air contaminants standard in its SDSs, even though certain of those exposure limits were vacated in 1992.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

VAPORS, FUMES, OR MISTS FROM HEATED MATERIAL MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY CAUSE AN ALLERGIC REACTION.

POTENTIAL HEALTH EFFECTS FROM OVEREXPOSURE

Inhalation:

Excessive inhalation of mist may result in respiratory irritation. Overheating may produce vapors which may cause respiratory irritation, dizziness and nausea.

Ingestion:

Ingestion of large amounts may cause gastrointestinal disturbances. Soybean oil allergy may occur with cross sensitivity to bean-related vegetable oils including peanut oil.

Skin contact:

Prolonged and repeated liquid contact may cause defatting and drying of the skin and may lead to irritation and/or dermatitis.

Eye contact:

Produces little or no irritation on direct contact with the eye.

Carcinogenic Evaluation:

Product Information:

Name	IARC Carcinogens:	NTP Carcinogens:	ACGIH - Carcinogens:	OSHA - Select Carcinogens:
Marathon Petroleum Soybean Oil 8001-22-7	Not Listed	Not Listed	Not Listed	Not Listed

Notes:

Component Information:

Name	IARC Carcinogens:	NTP Carcinogens:	ACGIH - Carcinogens:	OSHA - Select Carcinogens:
Soybean Oil 8001-22-7	Not Listed	Not Listed	Not Listed	Not Listed

4. FIRST AID MEASURES

Eye contact:	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Gently remove contacts while flushing.
Skin contact:	Wash with soap and large amounts of water. Remove contaminated clothing. If symptoms or irritation occur, call a physician.
Ingestion:	If swallowed, do not induce vomiting and do not give liquids.
Inhalation:	If affected, move person to fresh air. If breathing is difficult, administer oxygen and continue to monitor. If not breathing or if no heartbeat, give artificial respiration or cardiopulmonary resuscitation (CPR). Immediately call a physician. If symptoms or irritation occur with any exposure, call a physician.
NOTES TO PHYSICIAN:	Treat symptomatically.
Medical Conditions Aggravated By Exposure:	Preexisting skin conditions and respiratory disorders may be aggravated by exposure to components of this product.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

For small fires, Class B fire extinguishing media such as CO₂, dry chemical, foam or water spray can be used. For large fires, water spray, fog or foam can be used. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.

Specific hazards:

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).

Store wiping rags in metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray. Hazardous combustion products include carbon monoxide, carbon dioxide, aldehydes, ketones, and other oxidized hydrocarbons.

This product is not a combustible liquid per the OSHA Hazard Communication Standard, but will ignite and burn at temperatures exceeding the flash point. For additional fire related information, see NFPA 30 or the North American Emergency Response Guide 128.

Special protective equipment and precautions for firefighters:

Avoid using straight water streams. Water spray and foam must be applied carefully to avoid frothing and from as far a distance as possible. Avoid excessive water spray application. Keep surrounding area cool with water spray from a distance and prevent further ignition of combustible material. Keep run-off water out of sewers and water sources.

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

Flash point:

~610 °F

Autoignition temperature:

Not auto-flammable.

Flammable limits in air - lower (%):

No data available.

Flammable limits in air - upper (%):

No data available.

NFPA rating:

Health: 0

Flammability: 1

Instability: 0

Other: -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: All contaminated surfaces will be slippery. Avoid creating aerosols. Use impervious gloves when handling contaminated material. Keep untrained personnel away from contamination.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system or any surface water.

Methods and materials for containment and cleaning up: Absorb small spills with clay based material. Recover large spills into approved containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling:

Ensure adequate ventilation. Keep away from heat and sources of ignition. Do not use pressure to empty drums. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment.

Storage:

Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area. See Section 10 for incompatibilities.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Engineering measures: Ensure adequate ventilation, especially in confined areas. Local or general exhaust required when using at elevated temperatures that generate vapors or mists.

Respiratory protection: Breathing apparatus needed only when aerosol or mist is formed. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 1910.134. Self-contained breathing apparatus should be used for fire fighting.

Skin and body protection: Use chemical resistant gloves such as neoprene, nitrile, or PVA to prevent prolonged or repeated skin contact.

Eye protection: Where splashing is possible, wear safety glasses with side shields. Wear goggles and faceshield when handling hot material.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Clear Liquid
Physical state (Solid/Liquid/Gas):	Liquid
Substance type (Pure/Mixture):	Pure
Color:	Yellow to Amber
Odor:	Slight vegetable oil.
Molecular weight:	No data available.
pH:	No data available.
Boiling point/range (5-95%):	No data available.
Melting point/range:	~ -20 °C / -4 °F
Decomposition temperature:	Not applicable.
Specific gravity:	~0.9
Density:	No data available.
Bulk density:	No data available.
Vapor density:	No data available.
Vapor pressure:	<1 mm Hg @ 72 °C
Evaporation rate:	No data available.
Solubility:	Insoluble
Solubility in other solvents:	Soluble in many organic solvents.
Partition coefficient (n-octanol/water):	No data available.
VOC content(%):	No data available.
Viscosity:	No data available.

10. STABILITY AND REACTIVITY

Stability:	The material is stable at 70° F, 760 mm pressure.
Polymerization:	Will not occur.
Hazardous decomposition products:	Hazardous combustion products include carbon monoxide, carbon dioxide, aldehydes, ketones, and other oxidized hydrocarbons
Materials to avoid:	Strong oxidizers such as nitrates, chlorates, peroxides. Incompatible with strong acids and bases.
Conditions to avoid:	Extreme heat.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Product Information:

Name	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Marathon Petroleum Soybean Oil	8001-22-7	>2g/kg	>2g/kg	No data available.

Component Information:

Name	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Soybean Oil	8001-22-7	>2g/kg	>2g/kg	No data available.

Toxicology Information:	Although specific long-term toxicity studies have not been conducted, soybean oil is expected to have a low order of oral, dermal and inhalation toxicity.
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12. ECOTOXICOLOGICAL INFORMATION

Mobility

Mobility in soil Insoluble and floats on water.

Ecotoxicity

Aquatic Toxicity: Not classified in terms of aquatic toxicity.

Bioaccumulation: No data available.

Persistence/Biodegradation: Inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

Description of waste residues, safe handling, and methods of disposal:

This product as produced is not specifically listed as an EPA RCRA hazardous waste according to federal regulations (40 CFR 260-271). However, if mixed or contaminated with a hazardous waste or other substance(s), the resulting material may meet the criteria of a hazardous waste when discarded. The user is responsible for determining if the material for disposal is hazardous according to federal, state, and local regulations.

Long-term storage may result in decomposition of the oil and could result in a rancid odor.

Contaminated packaging disposal:

Empty containers should be completely drained and then recycled or disposed. Handle in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

49 CFR 172.101:

DOT:

Transport Information:

This material when transported via US commerce is NOT REGULATED by DOT regulations.

15. REGULATORY INFORMATION

US Federal Regulatory Information:

US TSCA Chemical Inventory Section 8(b):

This product and/or its components are listed on the TSCA Chemical Inventory.

OSHA Hazard Communication Standard:

This product has been evaluated and determined not to be hazardous as defined in OSHA's Hazard Communication Standard.

EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 302:

This product contains the following component(s) that have been listed on EPA's Extremely Hazardous Substance (EHS) List:

Name	CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs
Soybean Oil	Not Applicable

SARA Section 304: This product contains the following component(s) identified either as an EHS or a CERCLA Hazardous substance which in case of a spill or release may be subject to SARA reporting requirements:

Name	CERCLA/SARA - Hazardous Substances and their Reportable Quantities
Soybean Oil	Not Applicable

SARA The following EPA hazard categories apply to this product:

None

SARA Section 313: This product contains the following components, which if in exceedance of the de minimus threshold, may be subject to the reporting requirements of SARA Title III Section 313 Toxic Release Reporting (Form R).

Name	CERCLA/SARA 313 Emission reporting:
Soybean Oil	None

State and Community Right-To-Know Regulations:

The following component(s) of this material are identified on the regulatory lists below:

Soybean Oil

Louisiana Right-To-Know:	Not Listed.
California Proposition 65:	Not Listed.
New Jersey Right-To-Know:	Not Listed.
Pennsylvania Right-To-Know:	Not Listed.
Massachusetts Right-To Know:	Not Listed.
Florida Substance List:	Not Listed.
Rhode Island Right-To-Know:	Not Listed.
Michigan Critical Materials Register List:	Not Listed.
Massachusetts Extraordinarily Hazardous Substances:	Not Listed.
California - Regulated Carcinogens:	Not Listed.
Pennsylvania RTK - Special Hazardous Substances:	Not Listed.
New Jersey - Special Hazardous Substances:	Not Listed.
New Jersey - Environmental Hazardous Substances List:	Not Listed.
Illinois - Toxic Air Contaminants	Not Listed.
New York - Reporting of Releases Part 597 - List of Hazardous Substances:	Not Listed.

Canadian Regulatory Information:

Canada DSL/NDSL Inventory: This product and/or its components are listed either on the Domestic Substances List (DSL) or are exempt.

NOTE: Not Applicable.

16. OTHER INFORMATION

Additional Information: Not for food use.

Prepared by: Toxicology and Product Safety

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End of Safety Data Sheet