

MATERIAL SAFETY DATA SHEET

ESTER SOLUTIONS COMPANY

Section 1 - Identification of Substance and Company

Product Name: PARAPLEX® G-62

Product Code: 3755

Chemical Name: Epoxidized Soybean Oil

Supplier: Ester Solutions Co.
5851 West 73rd Street
Bedford Park, Illinois 60499 PH: (877) 4CP - HALL
USA

HMIS
Health: 1
Flammability: 1
Reactivity: 0
Gloves & Safety Glasses

Emergency Phone Numbers: Ester Solutions Co: (708) 594 - 5999
CHEMTREC: (transportation) (800) 424 - 9300

Section 2 - Information on Ingredients

Chemical Name: Epoxidized Soybean Oil
CAS #: 8013-07-8

Section 3 - Hazard Identification

Appearance/Odor: Viscous light yellow liquid, mild odor.

Potential Health Effects

Skin Contact: Repeated or prolonged skin contact may cause skin irritation.
Eye Contact: May cause slight eye irritation of susceptible persons.
Ingestion: Effects unknown.
Inhalation: May cause dizziness.

Section 4 - First Aid Measures

Skin Contact: Wash affected skin with soap and water. If drying occurs a topical lotion should be applied.
Eye Contact: Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, consult a physician.
Ingestion: Rinse mouth and seek medical attention.
Inhalation: Person should be moved to a fresh air environment.

Section 5 - Explosion and Fire-Fighting Measures

Extinguishing Media: CO₂, Dry Chemical, Water Fog
Special Fire-Fighting Procedures: A MSHA/NIOSH approved self contained breathing apparatus should be worn. Use water spray to cool fire-exposed containers.
Unusual Fire and Explosion Hazards: Water may cause frothing.

Section 6 - Accidental Release/Spill Procedures

Steps to be Taken in Case Material is Released or Spilled: Dike and contain the spill with inert material (ie: sand, earth, sawdust) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

Section 7 - Handling and Storage

Any use of this product in an elevated process, should be evaluated to establish and maintain safe operating procedures. Containers should be kept tightly closed and stored in a dry well-ventilated place.

Section 8 - Personal Protection

Hand Protection: Impervious gloves
Respiratory Protection: None required for normal operation.
Eye Protection: Safety glasses
Engineering Measures: For normal operation local exhaust ventilation should suffice. Direct exhaust when material becomes heated and fumes are given off.
Other: Eyewash facility in vicinity.

Section 9 - Physical and Chemical Properties

Boiling Point:	750°F	Specific Gravity:	0.993
Flash Point (COC):	590° F	Evaporation Rate:	N/A
Vapor Density:	25	Solubility in Water:	N/A
Vapor Pressure (25° C):	0.01 mm Hg	pH:	N/A
Appearance and Odor:	Viscous yellow liquid, mild odor.		

Section 10 - Stability and Reactivity

Stability: This product is stable under normal conditions.
Conditions to Avoid: Strong oxidizing agents, excess heat, strong acids or bases.
Hazardous Polymerization: Will not occur under normal circumstances.

Section 11 - Toxicological Information

Eye Effects: Mildly irritating (rabbit).
Skin Effects: Mildly irritating (rabbit); Not a sensitizer (guinea pig).
Dermal LD₅₀: >20 g/kg (rabbit)
Oral LD₅₀: 22.5 g/kg (rat)
Inhalation LC₅₀: Inhalation of concentrated vapors for 8 hours produced no deaths (rat).
Acute Effects from Overexposure: Product has very low oral, dermal, and inhalation toxicity. Epoxidized soybean oil is mildly irritating to the eyes and skin and is non-sensitizing to the skin.
Chronic Effects from Overexposure: No data available for the product.
Carcinogenicity: Not listed on IARC, NTP, OSHA, or ACGIH lists of carcinogens.

Product Name: PARAPLEX® G-62

Section 12 - Ecological Information

No ecological information is available at this time.

Section 13 - Disposal Considerations

Waste Disposal Methods: Material should be disposed of in accordance to current local and national regulations. Contacting a waste disposal service is recommended.

Section 14 - Transport Information

Not classified as hazardous according to the Department of Transportation.

Section 15 - Regulatory Information

Toxic Substances Control Act (TSCA): This product is in compliance with the TSCA regulation of the United States.

Domestic Substance List (DSL): This product is listed on the DSL inventory of Canada.

Australian Inventory of Chemical Substances (AICS): This product is listed on the AICS inventory of Australia.

European Inventory of Existing Chemical Substances (EINECS): This product is listed on the EINECS inventory of Europe. #232-391-0.

Superfund Amendments and Reauthorization Act (SARA): This product has the following hazards as defined in Section 311/312 of 40 CFR part 372:

Hazards

None

This product contains the following chemicals subject to the reporting requirements of Section 313 or Title III of SARA and 40 CFR Part 372:

Ingredients

None

California Proposition 65: This product contains the following substances known to the state of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986.

Ingredients

None

Section 16 - Other Information

Prepared By: AAC

Revision Date: 07/04
Company Name Change
Supersedes: 04/03

All information is presented in good faith using available information. Ester Solutions Company makes no representation of the accuracy or completeness of the information. The user should consider this information as a supplement to other information that may be available. User should also determine suitability of information in their situation to determine proper use and disposal, protection of persons and the environment.