

Safety Data Sheet (SDS)

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

Reviewed on 06/07/2019

Issue date 05/08/2015

* 1 Identification

- **Product identifier**
- **Trade name: Ester Fat**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Product description** Mixture of fatty acid methyl esters of vegetable oil and free fatty acids of vegetable oil produced during transesterification reaction.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Ag Processing Inc
12700 West Dodge Rd.
Omaha, NE 68154
Phone: 402-496-7809
- **Emergency telephone number:** 402-431-5027

* 2 Hazard(s) identification

- **Classification of the substance or mixture**
The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements**
- **GHS label elements** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material
- **Signal word** Non-Regulated Material
- **Hazard statements** Non-Regulated Material
- **Unknown acute toxicity:**
96.5 percent of the mixture consists of ingredient(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

* 3 Composition/information on ingredients

CAS: 68990-52-3	Fatty acid methyl esters of vegetable oil	30-60%
CAS: 61788-66-7	Free fatty acids of vegetable oil	30-60%
CAS: 56-81-5	Glycerol	3-4%
CAS: 7647-14-5	Sodium Chloride	1%
CAS: 67254-73-3 67701-32-0, 68956-68-3	Mono-, di-, and triglycerides	0-6%
CAS: 7732-18-5 RTECS: ZC 0110000	Water, distilled, conductivity or of similar purity	0.1-0.3%

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous Components:** Non-Regulated Material

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* 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Not a normal route of entry.
- **After skin contact:** In case of irritation, wash with water and soap and rinse thoroughly.
- **After eye contact:**
Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Dry chemical, foam or carbon dioxide
- **Special hazards arising from the substance or mixture**
Possible risk of auto ignition/spontaneous combustion under high temperature, closed conditions if material is absorbed on various fiber matrices and in the presence of oxygen. (e.g. oily rags).
- **Advice for firefighters**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
- **Additional information**
Application of water to burning oil can cause spattering. Oil will float on water.
Class IIIB combustible liquid.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Avoid excessive heat to maintain product quality.
- **Information about protection against explosions and fires:**
Soiled rags or absorbent material should not be kept under high temperature, closed conditions in the presence of oxygen.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool, dry, well ventilated area away from direct sunlight and any incompatible materials (see section 10).
- **Information about storage in one common storage facility:** Not required.

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- **Further information about storage conditions:** Material may clog drains.
- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**

· **Components with occupational exposure limits:**

68956-68-3 Triglycerides (Vegetable oil)

56-81-5 Glycerol

TWA	Respirable: 5 mg/m ³ Total: 15 mg/m ³
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- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** If in mist form and levels are above 15 mg/m³, a dust mask is advisable.
- **Protection of hands:** Not required
- **Penetration time of glove material:** Not applicable
- **Eye protection:** Not required.

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form: Oily
 - Color: Light brown
- **Odor:** Light vegetable oil
- **Odor threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
 - Melting point/Melting range: Not determined.
 - Boiling point/Boiling range: Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.

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- **Ignition temperature:**
 - **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Not determined.
- **Explosion limits:**
 - **Lower:** Not determined.
 - **Upper:** Not determined.
- **Vapor pressure:** 0.38 psi (2.6 kPa)
- **Density @ 20 °C (68 °F):** 0.891 g/cm³ (7.435 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with Water:** Negligible
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not determined.
 - **Kinematic:** Not determined.
- **Other information:** No further relevant information available.

*** 10 Stability and reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** Thermal decomposition will produce toxic oxides of carbon.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Prolonged heating.
- **Incompatible materials:** Ester fat will degrade nitrile and other gasket materials. Avoid oxidizing agents.
- **Hazardous decomposition products:** Oxides of carbon (COx)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Additional toxicological information:**
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)
None of the ingredients are listed.
· NTP (National Toxicology Program)
None of the ingredients are listed.

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· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Review local regulations before cleaned up materials are introduced into sewer system or waste treatment systems.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **Packing group**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

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<ul style="list-style-type: none"> • Section 313 (Specific toxic chemical listings): 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • TSCA (Toxic Substances Control Act): 		
68990-52-3	Fatty acid methyl esters of vegetable oil – Listed / Active	
61788-66-7	Free fatty acids of vegetable oil – Listed / Active	
56-81-5	Glycerol – Listed / Active	
7647-14-5	Sodium Chloride – Listed / Active	
67701-32-0	Mono-, di-, and triglycerides – Listed / Active	
68956-68-3		
<ul style="list-style-type: none"> • California Proposition 65 		
<ul style="list-style-type: none"> • Chemicals known to cause cancer: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Chemicals known to cause reproductive toxicity for females: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Chemicals known to cause reproductive toxicity for males: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Chemicals known to cause developmental toxicity: 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • Carcinogenic categories 		
<ul style="list-style-type: none"> • EPA (Environmental Protection Agency) 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • TLV (Threshold Limit Value established by ACGIH) 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • NIOSH-Ca (National Institute for Occupational Safety and Health) 		
None of the ingredients are listed.		
<ul style="list-style-type: none"> • GHS label elements Non-Regulated Material • Hazard pictograms Non-Regulated Material • Signal word Non-Regulated Material • Hazard statements Non-Regulated Material 		
<ul style="list-style-type: none"> • National regulations: 		
The product is subject to be classified according with the latest version of the regulations on hazardous substances.		
<ul style="list-style-type: none"> • State Right to Know 		
CAS: 68990-52-3	Fatty acid methyl esters of vegetable oil	30-60%
CAS: 61788-66-7	Free fatty acids of vegetable oil	30-60%
CAS: 56-81-5	Glycerol	3-4%
CAS: 7647-14-5	Sodium Chloride	0-6%
CAS: 67254-73-3	Mono-, di-, and triglycerides	0-6%
67701-32-0; 68956-68-3		
CAS: 7732-18-5	water, distilled, conductivity or of similar purity	0.1-0.3%
RTECS: ZC 0110000		
All ingredients are listed.		
<ul style="list-style-type: none"> • Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 		

16 Other information

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The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. 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.

· **Date of preparation / last revision** 05/08/2015 / 4

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)

· *** Data compared to the previous version altered.**

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