

# ES Compleat OAT PG 45% Premix

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024  
Issue date: 9/9/2025 Revision date: 10/7/2025 Supersedes: 9/25/2025 Version: C

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : ES Compleat OAT PG 45% Premix  
Product code : CC3608700MA US-1gallon  
CC3608700JA USD-55 gallon  
CC3608700JB US-275 gallon  
CC3608700JX US- Bulk

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Premix Antifreeze  
Intended for general public

#### 1.4. Supplier's details

##### Manufacturer

Fleetguard  
1200 Fleetguard Road  
Cookeville, TN, 38506  
USA  
T 1-800-22-FILTER (1-800-223-4583)

#### 1.5. Emergency phone number

Emergency number : 1-800-22-FILTER  
Chemtrec 1-800-424-9300 (Within Continental U.S.)  
Chemtrec 703-527-3887 (Outside the U.S.)

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Serious eye damage/eye irritation, Category 2A

Causes serious eye irritation.

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

Causes serious eye irritation

Precautionary statements (GHS US) :

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.

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Wash hands, forearms and face thoroughly after handling.  
Wear protective gloves, protective clothing, eye protection, face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice or attention.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

Not applicable

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	Conc. (% w/w)
1,2-Propanediol	CAS-No.: 57-55-6	30 – 60
Dipotassium sebacate	CAS-No.: 52457-55-3	1 – 5
Benzoic acid, potassium salt	CAS-No.: 582-25-2	0.5 – 1.5

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

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Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media : Do not use water jet.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapors.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### For non-emergency personnel

No additional information available

#### For emergency responders

Environmental precautions : Prevent entry to sewers and public waters.

### 6.2. Methods and materials for containment and cleaning up

For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe dust, fume, gas, mist, spray, vapors. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

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### 7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

1,2-Propanediol (57-55-6)	
USA - AIHA - Occupational Exposure Limits	
WEEL TWA	10 mg/m <sup>3</sup>
Benzoic acid, potassium salt (582-25-2)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH® TLV® TWA	2.5 mg/m <sup>3</sup> (inhalable particulate matter)
ACGIH® chemical category	Not Suspected as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment

<b>Hand protection:</b>
Wear suitable gloves. Consult glove manufacturer's product information on material suitability and material thickness.
<b>Eye protection:</b>
Wear eye/face protection
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

#### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state : Liquid  
Appearance : Clear

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Color	: Red
Odor	: No data available
Odor threshold	: No data available
pH	: 8.2 – 9
pH solution concentration	: 10 %
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 106 °C / 222.8 °F
Flash point	: No data available
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.0527
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available

1,2-Propanediol	
Boiling point	184 °C Atm. press.: 100,32 kPa Decomposition: 'no'
Flash point	104 °C Atm. press.: 100,01 kPa
Auto-ignition temperature	371 °C
Vapor pressure	20 Pa Temp.: 25 °C
Particle characteristics	No data available

Benzoic acid, potassium salt	
Boiling point	> 465 °C (at 1 atm)
Particle characteristics	No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### 1,2-Propanediol (57-55-6)

LD50 oral rat	22000 mg/kg body weight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	> 2000 mg/kg body weight Animal: rabbit
LC50 inhalation rat	> 44.9 mg/l air Animal: rat, Guideline: other:, Remarks on results: other:

Skin corrosion/irritation : Causes skin irritation.  
pH: 8.2 – 9  
Serious eye damage/irritation : Causes serious eye irritation.  
pH: 8.2 – 9  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Causes damage to organs (lungs) through prolonged or repeated exposure (Inhalation).

#### 1,2-Propanediol (57-55-6)

NOAEL (subchronic,oral,animal/male,90 days)	443 mg/kg body weight Animal: cat, Animal sex: male
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Aspiration hazard : Not classified

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Viscosity, kinematic	No data available
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Symptoms/effects after inhalation : May cause irritation to the respiratory tract.  
Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.  
Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.  
Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
Chronic symptoms : Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).  
Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

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### SECTION 12 Ecological information

#### 12.1. Ecotoxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

1,2-Propanediol (57-55-6)	
LC50 - Fish [1]	51600 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 - Fish [2]	51400 mg/l Test organisms (species): Pimephales promelas
EC50 72h - Algae [1]	24200 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	24200 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	19000 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 96h - Algae [2]	19000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

#### 12.2. Persistence and degradability

ES Compleat OAT PG 45% Premix	
Persistence and degradability	Not established.
1,2-Propanediol (57-55-6)	
Persistence and degradability	Not rapidly degradable
Dipotassium sebacate (52457-55-3)	
Persistence and degradability	Rapidly degradable
Benzoic acid, potassium salt (582-25-2)	
Persistence and degradability	Rapidly degradable

#### 12.3. Bioaccumulative potential

ES Compleat OAT PG 45% Premix	
Bioaccumulative potential	Not established.
1,2-Propanediol (57-55-6)	
BCF - Fish [1]	(1 dimensionless)
Partition coefficient n-octanol/water	-1.07 (at 20.5 °C (at pH >=6.2-<=6.4))

#### 12.4. Mobility in soil

No additional information available

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### 12.5. Other adverse effects

Ozone : Not classified  
Fluorinated greenhouse gases : No  
Other information : No other effects known.

### SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Recycle empty containers where allowed.

### SECTION 14 Transport information

In accordance with DOT

#### 14.1. UN number

UN-No. (DOT) : Not regulated

#### 14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated

#### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not regulated

#### 14.4. Packing group

Packing group (DOT) : Not regulated

#### 14.5. Environmental hazards

Other information : No supplementary information available.

#### 14.6. Transport in bulk

Not applicable

#### 14.7. Special precautions for user

Not applicable

### SECTION 15 Regulatory information

#### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

#### 15.2. International regulations

No additional information available

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### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16 Other information

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Revision date : 10/7/2025  
Issue date : 9/9/2025  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
Prepared for : Fleetguard

Indication of changes:		
Section	Changed item	Comments
2	GHS classification	<b>Modified</b> Version B
2	GHS classification	<b>Modified</b> Version C
3	Composition/Information on ingredients	<b>Modified</b> Version C

Safety Data Sheet (SDS), USA

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