# StaBil® Fuel Stabilizer – Storage

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Issue date: 1/23/2019 Revision date: 2/10/2025 Supersedes: 2/10/2025 Version: 2.0

## SECTION 1 Identification

### 1.1. Product identifier

Product form : Mixture
Trade name : StaBil® Fuel Stabilizer – Storage
Synonym : 590025

### 1.2. Other means of identification

Part numbers : 22204; 22205; 22206; 22207; 22208; 22209; 22211; 22213; 22214; 22215; 22218; 22249; 22258; 22280; 22803; 22807; 22812; 22816; 22287;

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

Intended for general public
Use of the substance/mixture : Fuel additives
Recommended use : Read label before use.
Restrictions on use : Use per the label directions

### 1.4. Supplier's details

**Manufacturer**
Gold Eagle Co.
4400 S. Kildare Avenue
Chicago, Cook, IL 60632
USA
T 773-376-4400
producttechsupport@goldeagle.com - www.goldeagle.com

### 1.5. Emergency phone number

Emergency number : 1-800-535-5053
For Chemical Emergency Call 24 hours a day, 7 days a week 24hr/day 7days/week
Within USA and Canada: 24 hours a day, 7 days a week
Outside USA and Canada: 24 hours a day, 7 days a week
(collect calls accepted)

## SECTION 2 Hazard Identification

### 2.1. Classification of the substance or mixture

**GHS US classification**

| | | |
|---|---|---|
| Flammable liquids, Category 4 | H227 | Combustible liquid. |
| Carcinogenicity, Category 1B | H350 | May cause cancer. |
| Aspiration hazard, Category 1 | H304 | May be fatal if swallowed and enters airways. |

Full text of H statements : see section 16

### 2.2. Label elements

**GHS US labeling**

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

| | | |
|---|---|---|
| Hazard statements (GHS US) | : | H227 - Combustible liquid<br>H304 - May be fatal if swallowed and enters airways<br>H350 - May cause cancer. |
| Precautionary statements (GHS US) | : | P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.<br>P301+P310 - If swallowed: Immediately call a poison center or doctor.<br>P308+P313 - If exposed or concerned: Get medical advice/attention.<br>P331 - Do NOT induce vomiting.<br>P370+P378 - In case of fire: Use appropriate media to extinguish.<br>P403 - Store in a well-ventilated place.<br>P405 - Store locked up.<br>P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations. |

### 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

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|---|---|---|---|
| Distillates (petroleum), hydrotreated light | CAS-No.: 64742-47-8 | 80 - 100* | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304 |
| Sweetened middle distillate | CAS-No.: 64741-86-2 | 5 - 10* | Carc. 1B, H350 |
| Solvent naphtha | CAS-No.: 64742-94-5 | 3 - 7* | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304 |
| Ethylene glycol monobutyl ether | CAS-No.: 111-76-2 | 3 - 7* | Flam. Liq. 2, H225<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First aid measures

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

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : None under normal conditions.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : Risk of lung edema.

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

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

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

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6 Accidental release measures

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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

#### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene.

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental precautions : Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

Packaging materials : Store always product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

| Ethylene glycol monobutyl ether (111-76-2) | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | 2-Butoxyethanol (EGBE) |
| ACGIH OEL TWA | 20 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI |
| Regulatory reference | ACGIH 2019 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | 2-Butoxyethanol |
| OSHA PEL TWA | 240 mg/m³ |
| | 50 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

### 8.2. Appropiate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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

**Personal protective equipment:**

Wear recommended personal protective equipment.

| **Hand protection:** |
|---|
| Protective gloves |

| **Eye protection:** |
|---|
| Safety glasses |

| **Respiratory protection:** |
|---|
| Wear respiratory protection. |

**Personal protective equipment symbol(s):**



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Liquid. |
| Color | : | red |
| Odor | : | characteristic |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | Not Determined |
| Flash point | : | 180 °F |
| Relative evaporation rate (ether=1) | : | > 1 |
| Flammability (solid, gas) | : | Not applicable. |
| Vapor pressure | : | 97 mm Hg |
| Relative vapor density at 20 °C | : | > 1 |
| Relative density | : | 0.8 |
| Solubility | : | Water: < 0.1 % |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | 3 mm²/s (40 °C) |
| Explosion limits | : | Lower explosion limit: 7<br>Upper explosion limit: 0.8 |
| Explosive properties | : | Not explosive. |
| Oxidizing properties | : | Not oxidising. |
| Particle characteristics | : | No data available |

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

VOC content : 100

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 Toxicological information

### 11.1. Likely routes of exposure

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

| Ethylene glycol monobutyl ether (111-76-2) | |
|---|---|
| LD50 oral rat | 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral) |
| LD50 oral | 1414 mg/kg body weight (OECD 401: Acute Oral Toxicity, Guinea pig, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat [ppm] | 450 ppm (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value, Inhalation (vapours)) |
| ATE US (oral) | 1414 mg/kg body weight |
| ATE US (gases) | 450 ppmV/4h |
| ATE US (vapors) | 11 mg/l/4h |
| ATE US (dust, mist) | 1.5 mg/l/4h |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified

Carcinogenicity : May cause cancer.

| Ethylene glycol monobutyl ether (111-76-2) | |
|---|---|
| IARC group | 3 - Not classifiable |

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : May be fatal if swallowed and enters airways.

| StaBil® Fuel Stabilizer – Storage | |
|---|---|
| Viscosity, kinematic | 3 mm²/s (40 °C) |
| **Distillates (petroleum), hydrotreated light (64742-47-8)** | |
| Viscosity, kinematic | 0.9 mm²/s |
| **Ethylene glycol monobutyl ether (111-76-2)** | |
| Viscosity, kinematic | 3.49 mm²/s (25 °C) |

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions.
Symptoms/effects after ingestion : Risk of lung edema.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

| Ethylene glycol monobutyl ether (111-76-2) | |
|---|---|
| LC50 - Fish [1] | 1474 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 1550 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 72h - Algae [1] | 911 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) |

### 12.2. Persistence and degradability

| StaBil® Fuel Stabilizer – Storage | |
|---|---|
| Persistence and degradability | Not rapidly degradable |
| **Sweetened middle distillate (64741-86-2)** | |
| Persistence and degradability | Not rapidly degradable |
| **Distillates (petroleum), hydrotreated light (64742-47-8)** | |
| Persistence and degradability | Not rapidly degradable |
| **Ethylene glycol monobutyl ether (111-76-2)** | |
| Persistence and degradability | Readily biodegradable in water. |

| Solvent naphtha (64742-94-5) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

### 12.3. Bioaccumulative potential

| Ethylene glycol monobutyl ether (111-76-2) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0.81 (Test data, 20 °C) |
| Partition coefficient n-octanol/water (Log Kow) | 0.83 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

### 12.4. Mobility in soil

| Ethylene glycol monobutyl ether (111-76-2) | |
|---|---|
| Surface tension | 65.03 mN/m (20 °C, 2 g/l) |
| Ecology - soil | Low potential for adsorption in soil. |

### 12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

## SECTION 13 Disposal considerations

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

## SECTION 14 Transport information

In accordance with DOT / TDG / IMDG

### 14.1. UN number

UN-No.(DOT) : Not regulated
UN-No. (TDG) : UN1993
UN-No. (IMDG) : 1993

### 14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated
Proper Shipping Name (TDG) : FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

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

**TDG**
Transport hazard class(es) (TDG) : 3
Hazard labels (TDG) : 3




**IMDG**

Transport hazard class(es) (IMDG) : 3
Hazard labels (IMDG) : 3




## 14.4. Packing group

Packing group (DOT) : Not regulated
Packing group (TDG) : III
Packing group (IMDG) : III

## 14.5. Environmental hazards

Other information : No supplementary information available.

## 14.6. Transport in bulk

Not applicable

## 14.7. Special precautions for user

Special transport precautions : Not regulated for transport in Non Bulk Container sizes of 119 gallons or less. Bulk UN number is 1268

**DOT**

Not regulated

**TDG**

UN-No. (TDG) : UN1993
TDG Special Provisions : 16 - 1) The technical name of the most dangerous substance related to the primary class must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(i)(A) of Part 3, Documentation. The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4, Dangerous Goods Safety Marks.
2) subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical: a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the “Food and Drugs Act”,150 - An emergency response assistance plan (ERAP) is required for these dangerous goods under subsection 7.1(6) of Part 7 (Emergency Response Assistance Plan). SOR/2015-100 UN1170, UN1202, UN1203, UN1267, UN1268, UN1863, UN1987, UN1993, UN3295, UN3475, UN3494 SOR/2015-100
Explosive Limit and Limited Quantity Index : 5 L
Excepted quantities (TDG) : E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 60 L

**IMDG**

Transport regulations (IMDG) : Subject to the provisions

| | | |
|---|---|---|
| Special provision (IMDG) | : | 223, 274, 955 |
| Limited quantities (IMDG) | : | 5 L |
| Excepted quantities (IMDG) | : | E1 |
| Packing instructions (IMDG) | : | LP01, P001 |
| IBC packing instructions (IMDG) | : | IBC03 |
| Tank instructions (IMDG) | : | T4 |
| Tank special provisions (IMDG) | : | TP1, TP29 |
| EmS-No. (Fire) | : | F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS |
| EmS-No. (Spillage) | : | S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER |
| Stowage category (IMDG) | : | A |

## SECTION 15 Regulatory information

### 15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|---|---|---|---|---|
| Sweetened middle distillate | 64741-86-2 | Present | Active | |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | Present | Active | |
| Ethylene glycol monobutyl ether | 111-76-2 | Present | Active | |
| Solvent naphtha | 64742-94-5 | Present | Active | |

### 15.2. International regulations

#### CANADA

**Sweetened middle distillate (64741-86-2)**

Listed on the Canadian DSL (Domestic Substances List)

**Distillates (petroleum), hydrotreated light (64742-47-8)**

Listed on the Canadian DSL (Domestic Substances List)

**Ethylene glycol monobutyl ether (111-76-2)**

Listed on the Canadian DSL (Domestic Substances List)

**Solvent naphtha (64742-94-5)**

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

**Distillates (petroleum), hydrotreated light (64742-47-8)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**Solvent naphtha (64742-94-5)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. State regulations

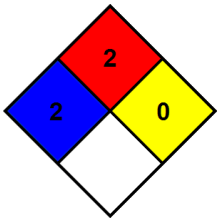
No additional information available

## SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Revision date : 2/10/2025
Issue date : 1/23/2019

| Full text of hazard classes and H-statements | |
|---|---|
| H225 | Highly flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H350 | May cause cancer. |

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.




Hazard Rating
Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability : 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection : B - Safety glasses, Gloves

| Indication of changes: | | |
|---|---|---|
| **Section** | **Changed item** | **Comments** |
| 1 | | **Added**<br>part numbers: 22209; 22258 |
| 2 | GHS-US classification | **Modified** |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.