

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 2/19/2019 Revision date: 6/28/2024 Supersedes: 3/1/2024 Version: 1.10

SECTION 1: Identification	
1.1. Identification	
Product form Trade name Synonym Part numbers	 Mixture STA-BIL® 360 Ethanol Fuel Treatment & Stabilizer - Protection 584094 22264; 22264-F; 22265; 22265-F; 22266-F; 22269; 22272; 22274; 22275; 22281; 22282; 22288-F; 300001; 22309; 22312; 22804; 22805; 22815; 22823; 22827; 22831;
1.2. Recommended use and restrictions of	on use
Use of the substance/mixture Recommended use Restrictions on use	 Fuel additives Read label before use. Use per the label directions
1.3. Supplier	
Manufacturer Gold Eagle Co 4400 S Kildare Ave Chicago, IL, 60632-4372 T 773-376-4400 https://www.goldeagle.com/	
1.4. Emergency telephone number	
Emergency number	: INFOTrac: 1-800-535-5053
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mi	ixture
GHS US classification Flammable liquids Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Carcinogenicity Category 2 Aspiration hazard Category 1 Full text of H statements : see section 16	H227Combustible liquidH315Causes skin irritationH319Causes serious eye irritationH351Suspected of causing cancerH304May be fatal if swallowed and enters airways
2.2. GHS Label elements, including preca	autionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US)	 Danger H227 - Combustible liquid H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation

- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H351 Suspected of causing cancer

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Precautionary statements (GHS US)	 P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 - If swallowed: Immediately call a poison center or doctor. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - If exposed or concerned: Get medical advice/attention. P331 - Do NOT induce vomiting. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use media other than water to extinguish. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

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	65 – 85	Flam. Liq. 3, H226 Asp. Tox. 1, H304
Proprietary Fuel Additive	-	0.1 – 15	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 Asp. Tox. 1, H304
Sweetened middle distillate	CAS-No.: 64741-86-2	2.5 – 10	Carc. 1B, H350
Ethylene glycol monobutyl ether	CAS-No.: 111-76-2	1 – 5	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Solvent naphtha	CAS-No.: 64742-94-5	1 – 5	Flam. Liq. 2, H225 Asp. Tox. 1, H304

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Name	Product identifier	%	GHS US classification
Naphthalene	CAS-No.: 91-20-3	0.01 – 0.35	Acute Tox. 4 (Oral), H302 Carc. 2, H351

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

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact	 Call a physician immediately. Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact First-aid measures after ingestion	 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. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effects	s (acute and delayed)
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. Irritation. Eye irritation. Risk of lung edema.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing	g media	
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.	
5.2. Specific hazards arising from the chem	nical	
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 Combustible liquid. No direct explosion hazard. Toxic fumes may be released. 	
5.3. Special protective equipment and precautions for fire-fighters		
Firefighting instructions Protection during firefighting	 Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. 	

SECTION 6: Accidental release mease	ures
6.1. Personal precautions, protective equi	ipment 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.

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6.1.1. For non-emergency personnel	
Protective equipment Emergency procedures	 Wear recommended personal protective equipment. Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.
6.1.2. 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.
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material 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.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	 Not expected to present a significant hazard under anticipated conditions of normal use. 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. Avoid contact with skin and eyes. Weap contact and alother ignition percent.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	ng any incompatibilities
Technical measures Storage conditions Packaging materials	 Keep in a cool, well-ventilated place away from heat. Store in a well-ventilated place. Keep cool. Store locked up. 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	

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Ethylene glycol monobutyl ether (111	-76-2)	
USA - OSHA - Occupational Exposure Limits		
Local name	2-Butoxyethanol	
OSHA PEL TWA	240 mg/m ³	
	50 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
8.2. Appropriate 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/Pe	ersonal protective equipment	
Personal protective equipment: Gloves. Wear eye protection.		
Hand protection:		
Protective gloves		
Eye protection:		
Safety glasses		
Skin and body protection:		
Wear suitable protective clothing		
Respiratory protection:		
In case of insufficient ventilation, wear suitable respiratory equipment		
Personal protective equipment symbol(s):		



SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and o	chemical properties
Physical state	: Liquid
Color	: Mixture contains one or more component(s) which have the following colour(s): Colourless light yellow
Odor	 There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Pleasant odour Sweet odour Amine-like
Odor threshold	: No data available
pН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: Not Determined
Flash point	: 180 °F
Relative evaporation rate (butyl acetate=1)	: No data available

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Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.83
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	: 3000000 mm²/s (40 °C)
Viscosity, dynamic	: No data available
Explosion limits	: Lower explosion limit: 0.8
	Upper explosion limit: 7
Explosive properties	No data available
Oxidizing properties	: No data available
9.2. Other information	
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. None under recommended storage and handling conditions (see section 7).

10.5.	Incom	patibl	e mat	terials	5

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. Information on toxicological effects	11.1. Information on toxicological effects		
Acute toxicity (dermal)	Not classified Not classified Not classified		
Naphthalene (91-20-3)			
ATE US (oral)	500 mg/kg body weight		
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)		

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Ethylene glycol monobutyl ether (111-76-2)	
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	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
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.
Viscosity, kinematic	: 3000000 mm²/s (40 °C)
Distillates (petroleum), hydrotreated light (6	4742-47-8)
Viscosity, kinematic	0.9 mm²/s
Naphthalene (91-20-3)	
Viscosity, kinematic	0.826 (80.3 °C)
Ethylene glycol monobutyl ether (111-76-2)	
Viscosity, kinematic	3.49 mm²/s (25 °C)
Proprietary Fuel Additive	
Viscosity, kinematic	0.07 mm²/s
Symptoms/effects after inhalation	Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

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SECTION 12: Ecological information				
12.1. Toxicity				
	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.			
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				
STA-BIL® 360 Ethanol Fuel Treatment & Stab	ilizer - Protection			
Persistence and degradability	Not rapidly degradable			
Sweetened middle distillate (64741-86-2)				
Persistence and degradability	Not rapidly degradable			
Distillates (petroleum), hydrotreated light (647	742-47-8)			
Persistence and degradability	Not rapidly degradable			
Naphthalene (91-20-3)				
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			
Proprietary Fuel Additive				
Persistence and degradability	Not rapidly degradable			
12.3. Bioaccumulative potential				
Naphthalene (91-20-3)				
Partition coefficient n-octanol/water (Log Kow)	3.3			
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)			

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Ethylene glycol monobutyl ether (111-76-2)		
Ecology - soil Low potential for adsorption in soil.		
12.5. Other adverse effects		

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods	
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 Additional information	Disposal must be done according to official regulations.Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT / IMDG

14.1. UN number	
DOT NA No UN-No. (IMDG)	: Not regulated : Not regulated
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (IMDG)	: Not regulated : Not regulated
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not regulated
IMDG Transport hazard class(es) (IMDG)	: Not regulated
14.4. Packing group	
Packing group (DOT) Packing group (IMDG)	: Not regulated : Not regulated
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT	

Not regulated

IMDG

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US 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	
Naphthalene	91-20-3	Present	Active	
Ethylene glycol monobutyl ether	111-76-2	Present	Active	
Solvent naphtha	64742-94-5	Present	Active	
Proprietary Fuel Additive		Not present	-	

Naphthalene (91-20-3)	Naphthalene (91-20-3)	
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ 100 lb		

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)

Naphthalene (91-20-3)

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)

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Naphthalene (91-20-3)

Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) 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. US State regulations

This product can expose you to Naphthalene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

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Full text of H-phrases		
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	
H318	Causes serious eye damage	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	
H350	May cause cancer	
H351	Suspected of causing cancer	

Indication of changes:				
Section	Changed item	Change	Comments	
	Supersedes	Modified	No additional information available	
	Revision date	Modified	No additional information available	
1	Use of the substance/mixture	Added	No additional information available	
3	Composition/Information on ingredients	Modified	No additional information available	
4	Symptoms/effects after inhalation	Added	No additional information available	
5.1	Unsuitable extinguishing media	Added	No additional information available	
5.2	Explosion hazard	Added	No additional information available	
5.3	Firefighting instructions	Added	No additional information available	
6	For containment	Added	No additional information available	

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6	Emergency procedures	Added	No additional information available
6	Protective equipment	Added	No additional information available
6	General measures	Added	No additional information available
7.1	Additional hazards when processed	Added	No additional information available
7.2	Technical measures	Added	No additional information available
7.2	Packaging materials	Added	No additional information available
8.2	Skin and body protection	Added	No additional information available
10	Conditions to avoid	Modified	No additional information available
13	Product/Packaging disposal recommendations	Added	No additional information available
13	Sewage disposal recommendations	Added	No additional information available
13	Additional information	Added	No additional information available
13	Regional legislation (waste)	Added	No additional information available

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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.