



# SAFETY DATA SHEET

SDA 38B-69, 190 PROOF

This SDS is valid for all grades and catalog #s

## 1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

**Product Identifier:** Denatured Ethanol  
**Synonyms:** Denatured Alcohol 38B-69; SDA 38B-69; Denatured Ethanol.  
**Other means of identification:** CAS No. 64-17-5  
EINECS No. 200-578-6

**Recommended use of the chemical and restrictions on use:**

### Supplier Details:

**Greenfield Global USA, Inc.**  
58 Vale Road, Brookfield,  
CT 06804, USA.  
Tel: 203.740.3471  
Fax: 203.740.3481  
CCN17213

**Greenfield Global USA, Inc.**  
1101 Isaac Shelby Drive, Shelbyville,  
KY 40065, USA.  
Tel: 502.232.7600  
Fax: 502.633.6100  
CCN17213

**Emergency Contact:** CHEMTREC: 1.800.424.9300 (USA) / +1.703.527.3887 (International)

## 2. HAZARDS IDENTIFICATION

### Emergency Overview:

This material is HAZARDOUS by OSHA Hazard Communication definition. Flammable Liquid. Material can burn with little or no visible flame. May be irritating to the eyes, skin, and respiratory system. May cause central nervous system depression.

### OSHA Hazards:

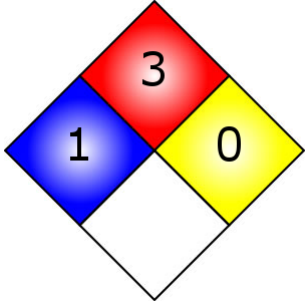
Flammable liquid, Target Organ Effect, Irritant

### Target Organs:

Central nervous system, Heart, Liver



Product Information: 203.740.3471 Emergency Assistance (CHEMTREC): 1.800.424.9300 (USA)  
NFPA +1.703.527.3887 (INT)



**GHS label elements, including precautionary statements**



**Signal Word:**

DANGER!

**Hazard statement(s)**

H225 Highly flammable liquid and vapor.  
H319 Causes serious eye irritation.

**Precautionary statement(s)**

P501 Dispose of contents and container to an approved waste disposal plant.  
P240 Ground/bond container and receiving equipment.  
P337 + P313 If eye irritation persists: Get medical attention.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P243 Take precautionary measures against static discharge.  
P241 Use explosion-proof electrical, ventilating, and lighting equipment.

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P242	Use only non-sparking tools.	<b>+1.703.527.3887 (INT)</b>
P264	Wash hands thoroughly after handling.	
P280	Wear protective gloves and eye and face protection.	

**GHS Classification(s)**

Eye irritation (Category 2B)  
Flammable Liquids (Category 2)  
Skin irritation (Category 2)

**Other hazards which do not result in classification:**

**Potential Health Effects:**

Organ	Description
Eyes	May cause irritation including stinging, tearing, and redness
Ingestion	May cause dizziness, faintness, drowsiness decreased awareness or responsiveness, nausea, vomiting, staggering gait, lack of coordination, coma and death.
Inhalation	High vapor concentration may cause burning sensation in nose and throat and stinging and watering in the eyes. At concentrations which cause irritation, dizziness, faintness, drowsiness, nausea and vomiting may also occur.
Skin	Skin Absorption: No harmful effects with normal skin. Prolonged or widespread contact with significantly damaged skin may result in the absorption of potentially harmful amounts. Skin Contact: Prolonged or repeated contact may cause defatting and drying of the skin.
Chronic	Other Health Hazards: Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect the central nervous system of the fetus, producing a collection of effects, which together constitute fetal alcohol syndrome. Medical Conditions Aggravated by Overexposure: Repeated exposure to ethanol may aggravate liver injury produced from other causes. Skin contact may aggravate dermatitis.

**3. COMPOSITION AND INFORMATION ON INGREDIENTS**

<b>Chemical identity:</b>	Alcohol
<b>Common name / Synonym:</b>	Denatured Alcohol 38B-69; SDA 38B-69; Denatured Ethanol.
<b>CAS number:</b>	64-17-5
<b>EINECS number:</b>	200-578-6
<b>ICSC number:</b>	0044
<b>RTECS #:</b>	KQ6300000
<b>UN #:</b>	UN1170
<b>EC #:</b>	603-002-00-5

% Weight	Material	CAS
0.29	Cassia Aldehyde	8007-80-5
91.08	Ethyl Alcohol	64-17-5
0.45	Eucalyptol	470-82-6
0.08	Menthol	89-78-1
0.38	Methyl Salicylate	119-36-8



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0.25	Peppermint Oil	+1.800.927.3887 (INT)
7.47	Water	7732-18-5

## 4. FIRST AID MEASURES

### General advice

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### Skin

Immediately flush affected area with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse. Contact a doctor. If irritation persists, get medical attention.

### Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

### Eyes

Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.

### Ingestion

DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

### Note to Physician

Symptoms vary with alcohol level of the blood. Mild alcohol intoxication occurs at blood levels between 0.05- 0.15 %. Approximately 25% of individuals show signs of intoxication at these levels. Above 0.15% the person is definitely under the influence of ethanol; 50-95% of individuals are clinically intoxicated at these levels. Severe poisoning occurs when the blood is ethanol level is 0.3- 0.5%. Above 0.5% the individual will be comatose and death can occur. The unabsorbed ethanol should be removed by gastric lavage after intubating the patient to prevent aspiration. Avoid the use of depressant drugs or the excessive administration of fluids.

## 5. FIRE FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media:

SMALL FIRE: Use dry chemicals, CO<sub>2</sub>, water spray or alcohol-resistant foam. LARGE FIRE: Use water spray, water fog or alcohol-resistant foam. Cool all affected containers with flooding quantities of water.

### Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Carbon oxides expected to be the primary hazardous combustion product.

### Special protective equipment and precautions for firefighters:



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Wear self-contained breathing apparatus and protective clothing to prevent contact with skin. **1.703.527.5987 (INT)**  
unopened containers cool by spraying with water.

**Unusual Fire and Explosion Hazards:**

- May produce a floating fire hazard.
- Static ignition hazard can result from handling and use.
- Vapors may travel to source of ignition and flash back.
- Vapors may settle in low or confined spaces.

Alcohols burn with a pale blue flame which may be extremely hard to see under normal lighting conditions. Personnel may only be able to feel the heat of the fire without seeing flames. Extreme caution must be exercised in fighting alcohol fires. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire.

**Flammable Properties**

**Classification**

OSHA/NFPA Class IB Flammable Liquid.

**Flash point**

17 °C (62 °F) - closed cup

**Autoignition temperature**

363.0 °C (685.4 °F) - (Ethyl Alcohol)

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental precautions:**

Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

**Methods and materials for containment and cleaning up:**

Highly flammable liquid. Eliminate all sources of ignition. All equipment used when handling this product must be grounded. A vapor suppressing foam may be used to reduce vapors. Do not touch or walk through spilled material. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Use clean non-sparking tools to collect absorbed material.

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## 7. HANDLING AND STORAGE

**Precautions for safe handling:**





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appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash for at least 15 minutes. Call 1.703.927.9887 (INT) quick-drench facilities in work area.

**Skin and body protection:**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance (physical state, color, etc.)	Liquid. Colorless liquid / invisible vapor.
Odor	Characteristic
Freezing point	< -100 °C (< -148 °F)
Initial boiling point and boiling range	80 °C (176 °F) - at 760 mmHg (101.325 kPa)
Flash point	17 °C (62 °F) - closed cup
Evaporation rate	3.0 (buyl acetate = 1)
Flammability (solid, gas)	Flammable
Upper / Lower flammability or explosive limits	3.3%(V) / 19%(V) (for 100% ethanol)
Vapor pressure	41.4mmHg (5.52 kPa) at 20 °C (68 °F)
Vapor Density	1.6 (air =1)
Relative Density	6.804 lbs/gal (At 15.56 °C (60 °F))
Solubility(ies)	completely soluble in water (at 20 °C)
Auto-ignition temperature	363 °C (685.4 °F) - (Ethyl Alcohol)
Cassia Aldehyde	N/A
Formula (ETHANOL)	C2H6O
Formula (EUCALYPTOL)	C10H18O
Formula (MENTHOL)	C10H20O
Formula (METHYL SALICYLATE)	C8H8O3
Formula (WATER)	H2O
Molecular Weight (ETHANOL)	46.07 g/mol
Molecular Weight (EUCALYPTOL)	154.25
Molecular Weight (MENTHOL)	156.27 g/mol
Molecular Weight (METHYL SALICYLATE)	152.1494 g/mol
Molecular Weight (WATER)	18.02 g/mol

**10. STABILITY AND REACTIVITY**

Possibility of hazardous reactions	Vapors may form explosive mixture with air.
Conditions to avoid (e.g., static discharge, shock or vibration)	No data available
Incompatible materials	Strong oxidizing agents; strong inorganic acids.



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Hazardous decomposition products	Hazardous decomposition products for 10700-527-3587 (INT) conditions. - Carbon oxides
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## 11. TOXICOLOGICAL INFORMATION

- Ethyl Alcohol 64-17-5

### Signs and Symptoms of Exposure

Central nervous system depression, narcosis, damage to the heart. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Product Summary:

Ethanol is not toxic by OSHA standards. Coingestion of sedative hypnotics or tranquilizers can increase the toxic affects of ethanol.

### Acute Toxicity:

LC50 (inhl)	Rat	20000ppm	10 hrs.
LC50 (Oral)	Rat	7060mg/Kg BWT	
LDLo (Oral)	Human	1400 mg/Kg BWT	

### Irritation:

#### Eyes (ETHANOL)

Eye exposure to Ethanol generally causes transient pain, irritation, and reflex lid closure. A foreign-body sensation may persist for one to two days. Vapors produce transient stinging and tearing, but no apparent adverse effects. Transiently impaired preception of color may occur with acute ingestion or chronic alcoholism. Standard Draize eye test (rabbit) - Dose: 500 mg Reaction: Severe Dose: 500 mg/24 hrs Reaction: Mild

#### Skin

Standard Draize skin test (rabbit) - Dose: 20 mg/24 hrs Reaction: Moderate Repeated exposure may cause skin dryness or cracking.

### Carcinogenicity

IARC: Not classifiable as a human carcinogen.  
ACGIH: Not classifiable as a human carcinogen.  
NTP: Not classifiable as a human carcinogen.  
OSHA: Not classifiable as a human carcinogen.

### Other Hazards

Organ	Description
Eyes	Irritating to the eyes. May cause painful sensitization to light. May cause chemical conjunctivitis and corneal damage.





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Ingestion	May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause respiratory tract irritation with acidosis. Advanced stages can lead to respiratory failure, kidney failure, coma, and death.
Inhalation	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause narcotic effects in high concentration. Vapors may cause dizziness or suffocation.
Skin	Mildly irritating to the skin. May cause dermatitis by de-fating the skin from prolonged or repeated contact.
Chronic	Prolonged exposure can cause liver, kidney, and heart damage. Long term exposure can cause loss of appetite, weight loss, nervousness, memory loss, mental retardation.

- Water 7732-18-5

**Product Summary:**

No data available for the teratogenic, mutagenic, or reproductive toxicity effects of this product.

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Other Hazards**

Organ	Description
Inhalation	May cause respiratory tract irritation upon inhalation.

- Peppermint Oil 8006-90-4

**Product Summary:**

No data available for teratogenic, mutagenic, or reproductive effects.

**Acute Toxicity:**

LD50 (Oral)	Rat	2,426 mg/kg	
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**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen



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or potential carcinogen by ACGIH.

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NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Other Hazards**

Organ	Description
Eyes	Causes eye irritation. May cause loss of corneal epithelium, corneal infiltration, release of pigment into the anterior chamber with deposits on the back of the cornea.
Ingestion	May cause gastrointestinal tract irritation. May affect behavior/central nervous system (mild stimulation followed by depression, twitching, spastic convulsions, ataxia), and respiration (slowed respiration). Other symptoms may include atrial fibrillation, muscle pain, cooling sensation, burning sensation.
Inhalation	May be irritating to the respiratory tract.
Skin	May be harmful if absorbed through skin. May be irritating to the skin.

• Methyl Salicylate 119-36-8

**Product Summary:**

Laboratory tests have shown teratogenic effects. No data available for the mutagenic or reproductive effects of this products.

**Acute Toxicity:**

LD50 (Dermal)	Rabbit	> 5,000 mg/kg	
LD50 (Oral)	Rat	887 mg/kg	

**Irritation:**

**Eyes**

No data available.

**Skin**

Rabbit- severe skin irritation- 24 hours

**Signs and Symptoms of Exposure (METHYL SALICYLATE)**

Mild chronic salicylate intoxication is termed salicylism. Symptoms include: headache, dizziness, ringing in the ears, difficulty in hearing, dimness of vision, mental confusion, lassitude, drowsiness, sweating, thirst, hyperventilation, nausea, vomiting, and occasionally diarrhea. A more severe degree of salicylate intoxication is characterized by more pronounced CNS disturbances (including generalized convulsions and coma), skin eruptions, and marked alterations in acid-base balance.

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or



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confirmed human carcinogen by IARC.

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ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Other Hazards**

Organ	Description
Eyes	Irritating to the eyes.
Ingestion	Harmful if ingested.
Inhalation	May be harmful if inhaled. Irritating to the respiratory tract.
Skin	Harmful if absorbed through skin. Irritating to skin.

- Cinnamon Oil 8007-80-5

**Product Summary:**

No data available for the mutagenic, teratogenic, or reproductive effects of the product.

**Acute Toxicity:**

No data available			
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**Irritation:**

**No data available**

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**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Other Hazards**

Organ	Description
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Eyes	Irritating to the eyes.	<b>+1.703.527.3887 (INT)</b>
Ingestion	Harmful if ingested.	
Inhalation	May be harmful if inhaled. Irritating to the respiratory tract.	
Skin	Harmful if absorbed through skin. Irritating to skin.	

• Menthol 89-78-1

**Product Summary:**

No data available for the mutagenic, teratogenic, or reproductive effects of the product.

**Acute Toxicity:**

LD50 (Oral)	Rat	3,180 mg/kg	
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**Irritation:**

**Eyes**

Rabbit - severe eye irritation/damage - 6 hours

**Skin**

No data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Other Hazards**

Organ	Description
Eyes	Irritating to the eyes.
Ingestion	May be harmful if ingested.
Inhalation	May be harmful if inhaled. Irritating to the respiratory tract.
Skin	May be harmful if absorbed through skin. Irritating to the skin.

• Eucalyptol 470-82-6

**Product Summary:**

Lab tests have shown reproductive toxicity in model organisms. No data available for the teratogenic or mutagenic



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effects of this product. **+1.703.527.3887 (INT)**

**Acute Toxicity:**

LD50 (Oral)	Rat	2,480 mg/kg	
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**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Other Hazards**

Organ	Description
Eyes	Product causes eye irritation.
Ingestion	May be harmful if ingested.
Inhalation	Potentially harmful if inhaled. Causes respiratory tract irritation.
Skin	Potentially harmful if absorbed through the skin. Causes skin irritation.

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## 12. ECOLOGICAL INFORMATION

- Ethyl Alcohol 64-17-5

**Ecotoxicity (aquatic and terrestrial, where available):**

**Acute Fish toxicity (ETHANOL)**

LC50 / 96 HOUR *Oncorhynchus mykiss* (rainbow trout) > 10,000 mg/l

LC50 / 96 HOUR *Pimephales promelas* (fathead minnow) > 13,400 mg/l

**Toxicity to aquatic plants (ETHANOL)**

Growth inhibition / 96 HOURS *Chlorella vulgaris* (Fresh water algae) 1,000 mg/l

**Toxicity to microorganisms (ETHANOL)**

Toxicity Threshold / *Pseudomonas putida* 6,500 mg/l

Summary: Inhibition of cell multiplication begins.

**Persistence and degradability:**



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Biodegradation is expected.

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**Bioaccumulative potential:**

Biaccumulation is unlikely

• Water 7732-18-5

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**Ecotoxicity (aquatic and terrestrial, where available):**

**Ecotoxicity**

Not Applicable

**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

**Other adverse effects:**

No data available

• Peppermint Oil 8006-90-4

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**Ecotoxicity (aquatic and terrestrial, where available):**

**Ecotoxicity**

No data available

**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

• Methyl Salicylate 119-36-8

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**Ecotoxicity (aquatic and terrestrial, where available):**

**Ecotoxicity**

No data available



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**Persistence and degradability:**

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No data available

**Bioaccumulative potential:**

No data available

• Cinnamon Oil 8007-80-5

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**Ecotoxicity (aquatic and terrestrial, where available):**

**Ecotoxicity**

No data available

**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

• Menthol 89-78-1

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**Ecotoxicity (aquatic and terrestrial, where available):**

**Ecotoxicity**

No data available

**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

• Eucalyptol 470-82-6

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**Ecotoxicity (aquatic and terrestrial, where available):**

**Acute Fish Toxicity (EUCALYPTOL)**

LC50 / 9 h / Fathead minnow - 102 mg/l



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**13. DISPOSAL CONSIDERATIONS**

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Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

Vapors may collect in empty containers. Treat empty containers as hazardous. Dispose of spill-clean up and other wastes in accordance with Federal, State, and local regulations.

**14. TRANSPORT INFORMATION**

Description of waste residues and information on their safe handling and methods of disposal:

UN number	UN1170
UN proper shipping name	Ethanol solutions
Transport hazard class(es)	3
Packing group (if applicable)	II

**IMDG**

UN-Number: UN1170 Class: 3 Packing Group: II

EMS-No: F-E, S-D

Proper shipping name: ETHANOL SOLUTIONS

Marine pollutant: No

**IATA**

UN-Number: UN1170 Class: 3 Packing Group: II

Proper shipping name: Ethanol solutions

**15. REGULATORY INFORMATION**

Safety, health and environmental regulations specific for the product in question:

**OSHA Hazards**

Flammable liquid, Target Organ Effect, Irritant

All ingredients are on the following inventories or are exempted from listing

Country	Notification
Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
Philippines	PICCS
United States of America	TSCA

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.





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**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard  
Chronic Health Hazard  
Fire Hazard

**CERCLA**

No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA

**Massachusetts Right To Know Components**

Ethanol CAS-No.64-17-5 Revision Date 2007-03-01

**Pennsylvania Right To Know Components**

Cassia Aldehyde CAS-No. 8007-80-5

Cineole (Eucalyptol) CAS-No. 470-82-6

DL-Menthol CAS-No. 89-78-1

Ethanol CAS-No.64-17-5 Revision Date 2007-03-01

Oils, peppermint CAS-No. 8006-90-4

Oils; Wintergreen CAS-No.119-36-8 Revision Date 1989-08-11

**New Jersey Right To Know Components**

Cassia Aldehyde CAS-No. 8007-80-5

Cineole (Eucalyptol) CAS-No. 470-82-6

DL-Menthol CAS-No. 89-78-1

Ethanol CAS-No.64-17-5 Revision Date 2007-03-01

Oils, peppermint CAS-No. 8006-90-4

Oils; Wintergreen CAS-No.119-36-8 Revision Date 1989-08-11



**PHARMCO**  
by Greenfield Global

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**California Prop 65 Components**

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (ETHYL ALCOHOL) CAS No. 64-17-5 Revision Date: December 11, 2009

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**16. OTHER INFORMATION:  
INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS**

**Disclaimer**

Greenfield Global USA, Inc. believes that the information on this SDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Greenfield Global USA, Inc. does not assume responsibility and expressly disclaims liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable. Information is correct to the best of our knowledge at the date of the SDS publication.