

## SAFETY DATA SHEET

Preparation Date: 9/27/2013

Revision Date: 9/17/2018

Revision Number: G8

### 1. IDENTIFICATION

#### Product identifier

**Product code:** E1068  
**Product Name:** DEHYDRATED ALCOHOL, 200 PROOF, USP, EP, BP

#### Other means of identification

**Synonyms:** Absolute ethanol  
 Alcohol  
 Alcohol dehydrated  
 Alcohol, anhydrous  
 Alcool ethylique (French)  
 Absolute Ethanol 200 proof  
 Ethanol  
 Ethyl alcohol anhydrous  
 Ethyl hydrate  
 Ethyl hydroxide  
 Fermentation alcohol  
 Dehydrated Alcohol  
 Ethanol, undenatured 200 proof  
 Ethanol 200 proof  
 Ethyl alcohol  
 Alcohol etílico (Spanish)

**CAS #:** 64-17-5  
**RTECS #** KQ630000  
**CI#:** Not available

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

**Recommended use:** Solvent. Perfuming agent. In pharmaceuticals. Inks. In organic synthesis. In beverages.

**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
 14422 South San Pedro St.  
 Gardena, CA 90248  
 (310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300

**Contact Person:** Martin LaBenz (West Coast)

**Contact Person:** Ibad Tirmiz (East Coast)

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1
Flammable liquids	Category 2

**Label elements**

**Danger**

**Hazard statements**  
 Causes serious eye irritation  
 May damage fertility or the unborn child  
 May cause respiratory irritation. May cause drowsiness or dizziness  
 Causes damage to organs through prolonged or repeated exposure  
 Highly flammable liquid and vapor



**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

Can burn with an invisible flame  
 Causes mild skin irritation

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/.../equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Keep cool

**Precautionary Statements - Response**

*IF exposed or concerned: Get medical advice/attention*  
 In case of fire: Use CO2, dry chemical, or foam to extinguish.  
 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.  
 If skin irritation occurs: Get medical advice/attention  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight %
Ethyl Alcohol 200 proof	64-17-5	100

**4. FIRST AID MEASURES****First aid measures**

- General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.
- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.
- Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention.
- Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

**Most important symptoms and effects, both acute and delayed**

- Symptoms**
- Causes eye irritation
  - May cause skin irritation
  - May cause irritation of respiratory tract
  - Dyspnea (Difficulty breathing and shortness of breath)
  - Central nervous system effects
  - Dizziness
  - Drowsiness
  - Headache
  - Ataxia
  - Staggering gait
  - Nausea
  - Vomiting
  - May cause cardiovascular effects

**Indication of any immediate medical attention and special treatment needed**

- Notes to Physician:** Treat symptomatically.

**Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

**5. FIRE-FIGHTING MEASURES****Extinguishing Media**

- Suitable Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Alcohol-resistant foam. Water spray.
- Unsuitable Extinguishing Media:** Do not use a solid (straight) water stream as it may scatter and spread fire.

## Specific hazards arising from the chemical

### **Hazardous Combustion Products:**

Carbon Monoxide, Carbon Dioxide.

### **Specific hazards:**

Flammable. May be ignited by heat, sparks or flames. Material can burn with invisible flame. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated. Fire may produce irritating, corrosive and/or toxic gases.

## Special Protective Actions for Firefighters

### **Specific Methods:**

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

### **Special Protective Equipment for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## **6. ACCIDENTAL RELEASE MEASURES**

### Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions:**

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

#### **Methods for containment**

Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

#### **Methods for cleaning up**

Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

## **7. HANDLING AND STORAGE**

### Precautions for safe handling

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

#### **Safe Handling Advice**

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Sensitive to light. Store in light-resistant containers. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

**Incompatible Materials:**

- Oxidizing agents
- Acids
- Alkali Metals
- Halogens
- Caustics
- isocyanates
- Metals
- Bases
- Acid anhydrides
- Acid chlorides

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**National occupational exposure limits**

**United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Ethyl Alcohol 200 proof	64-17-5	1000 ppm TWA 1900 mg/m <sup>3</sup> TWA	1000 ppm TWA 1900 mg/m <sup>3</sup> TWA	1000 ppm STEL	None

**Canada**

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Ethyl Alcohol 200 proof	64-17-5	1000 ppm TWA 1880 mg/m <sup>3</sup> TWA	1000 ppm STEL	1000 ppm STEL	None

**Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Ethyl Alcohol 200 proof	64-17-5	1000 ppm TWA 1880 mg/m <sup>3</sup> TWA	1000 ppm TWA 1900 mg/m <sup>3</sup> TWA

**Appropriate engineering controls**

**Engineering measures to reduce exposure:**

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

**Individual protection measures, such as personal protective equipment**

**Personal Protective Equipment**

<b>Eye protection:</b>	Goggles Safety glasses with side-shields.
<b>Skin and body protection:</b>	Chemical resistant apron Long sleeved clothing Gloves
<b>Respiratory protection:</b>	Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Liquid	<b>Appearance:</b> No information available.	<b>Color:</b> Clear. Colorless.
<b>Odor:</b> Mild. Pleasant. Alcoholic. Like wine or whiskey. Ethereal.	<b>Taste</b> Pungent. Burning.	<b>Formula:</b> CH <sub>3</sub> CH <sub>2</sub> OH
<b>Molecular/Formula weight (g/mole):</b> 46.07	<b>Flammability:</b> No information available	<b>Flashpoint (°C/°F):</b> 12-14 °C/53.6-57.2 °F 15.8-18 °C/60.44-64.4 °F
<b>Flash Point Tested according to:</b> Closed cup Open cup	<b>Autoignition Temperature (°C/°F):</b> 363-426 °C/685.4-798.8 °F	<b>Lower Explosion Limit (%):</b> 3.3%
<b>Upper Explosion Limit (%):</b> 19%	<b>Melting point/range(°C/°F):</b> -114.1-117.3 °C/-173.38-179.14 °F	<b>Decomposition temperature(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> 78-79 °C/172.4-174.2 °F	<b>Bulk density:</b> No information available	<b>Density (g/cm<sup>3</sup>):</b> No information available
<b>Specific gravity:</b> 0.789 @ 20 °C	<b>pH:</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> 5.7-5.866
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> 1.59	<b>VOC content (g/L):</b> 789
<b>Odor threshold (ppm):</b> 5-10 (recognition) 84 (tolerance)	<b>Partition coefficient (n-octanol/water):</b> -0.31	<b>Viscosity:</b> No information available
<b>Miscibility:</b> Miscible with water Miscible with Acetone Miscible with Ether Miscible with Benzene Miscible with glacial Acetic Acid Miscible with many organic solvents	<b>Solubility:</b> Very soluble in water Soluble in Benzene	

## 10. STABILITY AND REACTIVITY

### Reactivity

When Ethanol comes in contact with Sodium, it liberates flammable hydrogen gas  
It can react vigorously or explosively with acid hydrides or acid chlorides  
It reacts with alkali metals to liberate flammable hydrogen gas  
It reacts with acetyl bromide to evolve hydrogen bromide  
It reacts with ammonia + silver nitrate to form silver nitride and silver fulminate  
Ethyl alcohol can react with freshly cut/etched/scratched aluminum with the evolution of heat and release of hydrogen gas. The Ethyl alcohol has to be on the aluminum surface as it is being cut/scratched/etched

Ethyl Alcohol reacts vigorously with acetyl chloride.

Ethyl alcohol reacts with silver (I) oxide + ammonia or hydrazine to form silver nitride and silver fulminate

Ethanol ignites and then explodes on contact with the following compounds: acetic anhydride + sodium hydrosulfate, disulfuric acid + nitric acid, phosphorus (III) oxide, platinum, potassium tert-butoxide + acids

Ethanol rapidly absorbs moisture from the air. Can react vigorously/explosively with oxidizers. Ethanol can react vigorously/explosively with the following: ammonium hydroxide & silver oxide, chlorine or chlorine oxides, perchlorates (barium perchlorate, chloryl perchlorate, magnesium perchlorate (forms ethyl perchlorate), nitrosyl perchlorate, potassium perchlorate, silver perchlorate, uranyl perchlorate), acetic anhydride, acetyl bromide (evolves hydrogen bromide), acetyl chloride, aluminum sesquibromide ethylate, bromine pentafluoride, calcium hypochlorite, chromic anhydride, chromium trioxide, chromyl chloride, cyanuric acid + water, dichloromethane + sulfuric acid + nitrate (or) nitrite, manganese perchlorate + 2,2-dimethoxy propane, dioxygen difluoride, disulfuryl difluoride, fluorine nitrate, hydrogen peroxide, iodine heptafluoride, manganese heptoxide, iodine + methanol + mercuric oxide, iodine + Phosphorus (forms ethane iodide), mercuric nitrate, nitric acid, perchloric acid, permanganic acid, peroxodisulfuric acid, platinum black, potassium dioxide, potassium permanganate, potassium superoxide, potassium tert-butoxide, ruthenium(VIII) oxide, silver + nitric acid (forms silver fulminate), silver nitrate (forms ethyl nitrate), silver peroxide, sodium hydrazide, hydrogen peroxide + sulfuric acid, sulfuric acid + permanganates, uranium hexafluoride, sulfuric acid + sodium dichromate, tetrachlorosilane + water, silver & nitric acid, tetraphosphorus hexaoxide

### **Chemical stability**

**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Ignition sources. Incompatible materials.

**Incompatible Materials:** Oxidizing agents  
Acids  
Alkali Metals  
Halogens  
Caustics  
isocyanates  
Metals  
Bases  
Acid anhydrides  
Acid chlorides

**Hazardous decomposition products:** Carbon monoxide. Carbon dioxide. When heated to decomposition it emits acid smoke and irritating fumes.

### **Other Information**

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## **11. TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure**

#### **Principal Routes of Exposure:**

Ingestion. Skin. Eyes. Inhalation.

### **Acute Toxicity**

### **Component Information**

Ethyl Alcohol 200 proof

CAS-No. 64-17-5

**Product code:** E1068

**Product name:** DEHYDRATED  
ALCOHOL, 200 PROOF, USP, EP, BP

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**LD50/oral/rat** = 7060 mg/kg Oral LD50 Rat  
**LD50/oral/mouse** = 3450 mg/kg Oral LD50 Mouse  
**LD50/dermal/rabbit** = No information available  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = 124.7 mg/L Inhalation LC50 Rat 4 h  
**LC50/inhalation/mouse** = 39000 mg/m<sup>3</sup> 4 h  
**Other LD50 or LC50 information** = >60000 ppm Inhalation LC50 Mouse 1 h  
5900 mg/m<sup>3</sup> Inhalation LC50 Rat 6 h  
20000 ppm Inhalation LC50 Rat 10 h  
5560 mg/kg Oral LD50 Guinea Pig  
6300 mg/kg Oral LD50 Rabbit

## Product Information

**LD50/oral/rat** =  
**VALUE- Acute Tox Oral** = 7060 mg/kg

**LD50/oral/mouse** =  
**Value - Acute Tox Oral** = 3450 mg/kg

**LD50/dermal/rabbit**  
**VALUE-Acute Tox Dermal** = No information available

**LD50/dermal/rat**  
**VALUE -Acute Tox Dermal** = No information available

**LC50/inhalation/rat**  
**VALUE-Vapor** = 124.7 mg/l (4-hr)  
**VALUE-Gas** = No information available  
**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**  
**VALUE-Vapor** = 39 mg/l (4-hr)  
**VALUE - Gas** = No information available  
**VALUE - Dust/Mist** = No information available

## Symptoms

**Skin Contact:** Mildly to moderately irritating to the skin.

**Eye Contact:** Causes serious eye irritation. Causes moderate to severe eye irritation.

**Inhalation** May cause irritation of respiratory tract. Symptoms may include coughing and shortness of breath. May cause nausea and headache. It may affect behavior/central nervous system (ataxia, general anesthetic, drowsiness). May affect respiration (respiratory depression). Inhalation of high concentrations of vapor may cause anesthetic effects. Inhalation of high concentrations of vapors may cause dizziness or suffocation. May affect the brain.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause gastritis. May cause loss of appetite. May cause flushed skin. May affect the cardiovascular system (change in heart rate). May affect the cardiovascular system (hypotension or hypertension, tachycardia, dysrhythmias). It may affect behavior/central nervous system (excitation, mild euphoria, excessive talking, fatigue, headache, dizziness, drowsiness, staggering gait, ataxia, hallucinations, slurred speech, amnesia, confusion, release of inhibitions, aggressive behavior, convulsions, coma). May affect respiration (dyspnea, respiratory depression). It may affect the brain. May affect liver. May affect the blood. May affect the



endocrine system. It may affect the spleen. May affect urinary system (kidneys).

**Aspiration hazard** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity** Prolonged or repeated skin contact may cause dermatitis, and dryness and cracking of the skin. Prolonged or repeated ingestion may affect behavior/central nervous system. Prolonged or repeated ingestion may affect metabolism (cause anorexia, weight loss). Prolonged or repeated ingestion may affect the liver (fatty liver degeneration, cirrhosis of the liver. Prolonged or repeated ingestion may affect the cardiovascular system. Prolonged or repeated inhalation may affect the liver.

**Sensitization:** No information available.

**Mutagenic Effects:** May affect genetic material based on animal test data  
 Mutations in microorganisms  
 Experiments with bacteria and/or yeast have shown mutagenic effects  
 Cytogenic analysis - hamster ovary  
 Cytogenic Analysis (Hamster embryo)  
 Cytogenic analysis - human leukocyte  
 Cytogenic Analysis: human lymphocyte  
 Sister Chromatid Exchange - Hamster ovary  
 Sister Chromatid Exchange (human lymphocyte)

**Carcinogenic effects:** Equivocal tumorigenic agent by Registry of Toxic Effects of Chemical Substances (RTECS) criteria. Confirmed Animal Carcinogen with Unknown Relevance to Humans.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Ethyl Alcohol 200 proof	64-17-5	Group 1 - Monograph 100E [2012] in alcoholic beverages Monograph 96 [2010] in alcoholic beverages	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	Not listed	Present	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)  
 A3 - Animal Carcinogen  
 IARC (International Agency for Research on Cancer)  
 Group 1 - Carcinogenic to Humans  
 (In alcoholic beverages)  
 NTP (National Toxicology Program)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

**Reproductive toxicity** May damage fertility or the unborn child

**Reproductive Effects:** Causes adverse reproductive effects  
**Developmental Effects:** May cause harm to the unborn child  
 May cause adverse developmental effects  
**Teratogenic Effects:** Causes birth defects (teratogenic effects)

**Specific Target Organ Toxicity**

**STOT - single exposure**  
**STOT - repeated exposure**  
**Target Organs:**

Respiratory system. central nervous system.  
Causes damage to organs through prolonged or repeated exposure.  
Skin. Liver. Central nervous system. Nervous system. Heart. Reproductive System.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects:** Aquatic environment.

*Ethyl Alcohol 200 proof - 64-17-5*

**Freshwater Fish Species Data:** 12.0 - 16.0 mL/L LC50 *Oncorhynchus mykiss* 96 h static 1 100 mg/L LC50 *Pimephales promelas* 96 h static 1 13400 - 15100 mg/L LC50 *Pimephales promelas* 96 h flow-through 1

**Water Flea Data:** 9268 - 14221 mg/L LC50 *Daphnia magna* 48 h 2 mg/L EC50 *Daphnia magna* 48 h 10800 mg/L EC50 *Daphnia magna* 24 h

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Ethyl Alcohol 200 proof	64-17-5	None	None	None	None

## 14. TRANSPORT INFORMATION

### DOT

**UN-No:** UN1170  
**Proper Shipping Name:** Ethanol  
**Hazard Class:** 3  
**Subsidiary Class** No information available  
**Packing group:** II  
**Emergency Response Guide Number** 127  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** 24, IB2, T4, TP1  
**Symbol(s):** No information available  
**Description:** UN1170, Ethanol, 3, II

### TDG (Canada)

**UN-No:** UN1170

**Product code:** E1068

**Product name:** DEHYDRATED  
ALCOHOL, 200 PROOF, USP, EP, BP

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**Proper Shipping Name:** Ethanol  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant Description:** No Information available  
UN1170, Ethanol, 3, II

**ADR**

**UN-No:** UN1170  
**Proper Shipping Name:** Ethanol  
**Hazard Class:** 3  
**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Special Provisions Description:** 144, 601  
UN1170, Ethanol, 3, II

**IMO / IMDG**

**UN-No:** UN1170  
**Proper Shipping Name:** Ethanol  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant Description:** No information available  
**EMS:** F-E  
**Special Provisions Description:** 144  
UN1170, Ethanol, 3, II

**RID**

**UN-No:** UN1170  
**Proper Shipping Name:** Ethanol  
**Hazard Class:** 3  
**Subsidiary Risk:** 3  
**Packing Group:** II  
**Special Provisions Description:** 144, 601  
UN1170, Ethanol, 3, II

**ICAO**

**UN-No:** UN1170  
**Proper Shipping Name:** Ethanol  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** UN1170, Ethanol, 3, II  
**Special Provisions:** A58, A180, A3

**IATA**

**UN-No:** UN1170  
**Proper Shipping Name:** Ethanol  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**ERG Code:** 3L  
**Special Provisions Description:** No information available  
UN1170, Ethanol, 3, II

**15. REGULATORY INFORMATION**

**International Inventories**

**Product code:** E1068

**Product name:** DEHYDRATED  
ALCOHOL, 200 PROOF, USP, EP, BP

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Ethyl Alcohol 200 proof	64-17-5	Present(ACTI VE)	KE-13217	Present	(2)-202	Present	Present	Present 200-578-6

## U.S. Regulations

### Ethyl Alcohol 200 proof

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 0844

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

Louisiana Reportable Quantity List for Pollutants: Present (listed as Volatile Organic Compounds)


California Directors List of Hazardous Substances: Present

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1293


FDA - 21 CFR - Total Food Additives 169.175, 169.176, 169.177, 169.181, 172.340, 172.560, 172.580, 175.105, 176.180, 176.200, 177.1200, 177.1650, 178.1010, 184.1293, 73.30, 73.345, 73.615

## California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

### Chemicals Known to the State of California to Cause Cancer:

 WARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause cancer. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

### Chemicals Known to the State of California to Cause Reproductive Toxicity:

 WARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Ethyl Alcohol 200 proof	64-17-5	carcinogen (Ethanol in alcoholic beverages)	developmental toxicity (Ethyl alcohol in alcoholic beverages)	Not Listed	Not Listed

## CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Ethyl Alcohol 200 proof	64-17-5	None	None	None	None	None

## U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Ethyl Alcohol 200 proof	64-17-5	Not Applicable	Not Applicable

## Canada

### WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component  
Ethyl Alcohol 200 proof  
64-17-5 ( 100 )

WHMIS 2015 Hazard Classification  
Flammable liquids - Category 2: H225 Highly flammable liquid and vapour.; Serious Eye Damage/Eye Irritation - Category 2B: H320

Product code: E1068

Product name: DEHYDRATED  
ALCOHOL, 200 PROOF, USP, EP, BP

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Causes eye irritation.

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

Components	WHMIS Ingredient Disclosure List -
Ethyl Alcohol 200 proof	0.1 %

#### Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Ethyl Alcohol 200 proof	64-17-5	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Ethyl Alcohol 200 proof	64-17-5	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Ethyl Alcohol 200 proof	64-17-5	Not listed

#### EU Classification

##### EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Ethyl Alcohol 200 proof	64-17-5	Flammable liquids - Flam. Liq. 2: H225 Highly flammable liquid and vapour.603-002-00-5

##### EU - CLP (1272/2008)

#### R-phrases

R11 - Highly flammable.

#### S-phrases

S 7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No smoking.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Ethyl Alcohol 200 proof	64-17-5	F; R11	No information	S(2) S7 S16

The product is classified in accordance with Annex VI to Directive 67/548/EEC

#### Indication of danger:

F - Highly flammable.

F



#### 16. OTHER INFORMATION

Preparation Date: 9/27/2013  
Revision Date: 9/17/2018  
Prepared by: Sonia Owen

Product code: E1068

Product name: DEHYDRATED  
ALCOHOL, 200 PROOF, USP, EP, BP

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**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**