

SAFETY DATA SHEET
ETOHLO/ ETOHHI

Date Revised: July 2020
Supersedes: July 2015

Ethyl Alcohol Denatured

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : ETOHLO/ETOHHI
Product Number : N/A
Product Form : Ethyl Alcohol absorbed on sponge
Brand : Alpha Scents

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Insect Lure for bark beetles

1.3 Details of the supplier of the safety data sheet

Company : Alpha Scents, Inc
1089 Willamette Falls Dr.
WEST LINN OR 97068
USA
Telephone : 503-342-8611
Fax : 314-271-7297

1.4 Emergency telephone number

Emergency Phone # : 800-222-1222

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS-none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

(1) Chemical Name : Ethanol
Synonyms : Ethyl Alcohol Absolute
Dehydrated Ethanol
Anhydrous Ethanol
Ethyl Alcohol 100%

Formula : C₂H₆O
Molecular weight : 46.07 g/mol
CAS-No. : 64-17-5
EC Number : 603-002-00-5
ICSC number : 0044
RTECS # : KQ6300000
UN # : 1170

4. FIRST AID MEASURES

4.1 Description of 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 FILE NO: E0285-E0290 MSDS DATE: 07/2015
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 will 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 and administering excessive amounts of fluids.

5. FIREFIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

SMALL FIRE: Use dry chemicals, CO₂, 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 monoxide is expected to be the primary hazard.

Special protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep 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.

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

7. HANDLING AND STORAGE**Precautions for safe handling:**

Do not get on skin or in eyes. Do not inhale vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Open and handle container with care. Metal containers involved in the transfer of this material should be grounded and bonded.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Consult local fire codes for additional storage information. **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls**Control parameters, e.g., occupational exposure limit values or biological limit values:****Occupational Exposure Limits****Component Source Type Value Note .****Ethyl alcohol US (OSHA) TWA 1000 ppm / 1,900 29 CFR 1910.1000 Table Z-1 Limits**

mg/m3 for Air Contaminants

Ethyl alcohol US (OSHA) IDHL 3300 ppm None .

Ethyl alcohol US (ACGIH) STEL 1000 ppm Upper Respiratory Tract irritation

Confirmed animal carcinogen with

unknown relevance to humans .

Appropriate engineering controls:

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

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

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection:

eye wash fountain Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain and 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:**Wash hands after handling material**

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 Sweet. Alcohol-like

Odor threshold No Data Available.

pH No Data Available.

Freezing point -114 °C (-173 °F)

Initial boiling point and boiling range 78 °C (173 °F)

Flash point 14 °C (57 °F) - closed cup

Evaporation rate Specific data not available - expected to be rapid.

Flammability (solid, gas) Flammable

Upper / Lower flammability or explosive limits 19 %(V) / 3.3 %(V)

Vapor pressure 59.5 hPa (44.6 mmHg) at 20 °C (68 °F)
Vapor Density 1.6
Relative Density 0.785 g/mL at 25 °C (77 °F)
Solubility(ies) Miscible
Partition coefficient n-octanol/water(ies) No Data Available.
Auto-ignition temperature 363 °C (685 °F)
Decomposition temperature Not pertinent
Formula (ETHANOL) C₂H₆O
Molecular Weight (ETHANOL) 46.07 g/mol

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions.

Possibility of hazardous reactions Vapors may form explosive mixture with air.

Conditions to avoid (e.g., static discharge, shock or vibration)

Heat, flames, and sparks. Extreme temperatures and direct sunlight.

Incompatible materials

Alkali metals, Ammonia, Oxidizing agents, Peroxides, Strong Inorganic Acids

Hazardous decomposition products

Carbon oxides are expected to be, under fire conditions, the primary hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

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. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.

Acute Toxicity:

LC50 Inhalation Rat 20000 ppm 10 hrs.

LC50 Oral Rat 7060mg/Kg BWT .

LDLo Oral Human 1400 mg/Kg BWT .

This material is not meant for Human consumption! Can be harmful or fatal if ingested!

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.

Standard Draize eye test (rabbit) - Dose: 500 mg Reaction: Severe Dose: 500 mg/24 hrs Reaction: Mild

Respiratory or Skin Sensitization

No data available

Skin

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

Reproductive Toxicity

Reproductive toxicity - Human - female - Oral. Effects on Newborns - measured low apgar scores and showed signs of alcohol dependence.

Specific target organ toxicity - single exposure (Globally Harmonized System)

Inhalation - May cause respiratory irritation. - Lungs

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.

Carcinogenicity - Mouse - Oral. Tumorigenic. Tumors found in liver and formation of lymphomas in blood.

Other Hazards

Organ Description .

Eyes Causes irritation to the eyes. Can cause painful sensitization to light. Can cause a form of chemical conjunctivitis and cause corneal damage .

Ingestion Can cause gastrointestinal irritation with nausea, vomiting and diarrhea. Systemic toxicity and acidosis can occur. Advanced stages can lead to respiratory failure, kidney failure, coma, and death .

Inhalation Causes respiratory tract irritation. Can cause narcotic effects in high concentration.

Vapors may cause dizziness or suffocation. Systemic toxicity and acidosis can occur

Advanced stages can lead to respiratory failure, kidney failure, coma, and death .

Skin Causes moderate skin irritation. Can cause dermatitis by de-fatting 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.

ECOLOGICAL INFORMATION

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:

Biodegradation is expected.

Bioaccumulative potential: Other adverse effects: No data available. Bioaccumulation is unlikely

13. DISPOSAL CONSIDERATIONS

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

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

D.O.T. (U.S.)

UN proper shipping name: Alcohols, N.O.S. (Ethanol,Isopropanol,Methanol)

UN number: UN1987

Hazard class: 3

Packing group: II

IMDG

Proper shipping name: Alcohols, N.O.S. (Ethanol,Isopropanol,Methanol)

UN Number: UN1987

Hazard Class: 3

Packing Group: II

EMS-No: F-E, S-D

Marine pollutant: No

IATA

Proper shipping name: Ethanol Solutions

UN Number: 1987

Class: 3

Packing Group: II

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.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) 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

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

New Jersey Right To Know Components

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

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.

16. OTHER INFORMATION**HMIS:**

Health: 2

Fire: 3

Reactivity: 0

NFPA:

Health: 2

Fire: 3

Reactivity: 0

Disclaimer

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