

SAFETY DATA SHEET



Humco Holding Group, Inc.
 7400 Alumax Dr
 Texarkana TX 75501 USA
 800-662-3435
 cs@humco.com
 www.humco.com

24-Hour Emergency Number (CHEMTREC) USA- 800-424-9300 International – 703-527-3887 <hr/> All non-emergency calls should be directed to Customer Service at 800-662-3435

NAME: COMPLETELY DENATURED ALCOHOL **SDS NO. 0037**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION




Product Name: Completely Denatured Alcohol (CDA – 19 190 proof)
Synonyms: Denatured Ethanol, CDA-19 190 proof, Government formula 19
Recommended Use: Solvent for removing paints and waxes

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2. HAZARD IDENTIFICATION

Pictogram:	  
Classification:	Flammable liquid category 4 Health Hazard: Category 2 Reactivity: Category 1
Signal Word:	DANGER, WARNING
Hazard Statements:	Highly flammable liquid and vapor. Very harmful if swallowed May damage target organs (Central Nervous System, liver and kidney) Causes serious eye irritation. May cause drowsiness or dizziness.

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
ETHANOL	64-17-5
METHYL ISOBUTYL KETONE	108-10-1
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-5

The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Exposure to high vapors concentrations may cause burning sensation to the respiratory tract and watering in the eyes. Headache, faintness, nausea, and vomiting may occur.	Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	Ingestion may cause vomiting, Nausea, diarrhea, drowsiness, faintness, headache, decrease awareness, euphoria, abdominal discomfort, lack of coordination, and coma. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.	Do NOT induce vomiting unless directed to so by medical personnel. Never give anything by mouth to an unconscious person. Call poison control center. Get medical attention immediately.
Skin	May cause dermal irritation, itching and redness. Prolonged exposure may cause defatting and drying of the skin.	If irritation occurs, wash with disinfectant soap and water. If persist, get medical attention.
Eyes	May cause irritation, blinking and tear production. Excess redness of the conjunctiva may also occur.	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point:	12 °C (54°F) - TAG CLOSED CUP (ASTM D 56)
Auto Ignition:	Lowest known: 365 °C (689 °F) (For Ethanol)
Extinguishing Media:	Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or

	alcohol resistant foam. Cool all affected containers with plenty of water.
Products of Combustion:	May explode when heated. Upon combustion, this product emits carbon oxides (CO & CO ₂) and other toxic vapors and gases.
Fire Fighting Equipment and Procedures:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. <u>Unusual Fire and Explosion Hazards:</u> Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at location distant from product handling ignition source and flash back explosively. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Use proper bonding and grounding during product transfer as described in National Fire Protection Association Documents NFPA 77.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Read entire label before using and follow all label directions. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate breathing equipment. Beware of vapors accumulating to form explosive concentrations.
Environmental Precautions:	Prevent discharge to open waters and sewage.
Method of Containment:	Contain spill whenever is safe to do so. Absorb with DRY earth, sand or other non-combustible material.
Method for Clean-Up:	Ventilate area of spill or leak. Pump liquid to salvage tank. Mop-up and containerize in approved chemical waste container. Wash spill area with large amount of water. Larger spills should be collected for disposal. Observe governmental regulations before disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor, spray, gas, or mist. Stay away from ignition source. Wear suitable respiratory equipment. Wear proper clothing. Do not consume food, drink or smoke while handling this product.
Storage:	Keep container tightly closed and in a dry, cool, and well ventilated place. Opened containers must be resealed and kept upright to prevent leakage. Keep away from all

	ignition source (sparks or flame, heaters, electrical equipment, static discharges), and incompatible chemicals. Wash thoroughly after handling.
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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	<p>Handle as per good industrial hygiene and safety practice. Use explosion proof ventilations as required to control vapor concentration. Ensure that eyewash station and safety showers are in adequate location.</p> <p>Process hazard: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into hot equipment under a vacuum, may result in ignition without the presence of obvious ignition sources. Published "auto-ignition" or "ignition" temperature values cannot be treated as safe operating temperature in the chemical process without analysis of actual process conditions. Any use of this product in elevated – temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Further information is available in a technical bulletin entitled "Ignition Hazards of Organic Chemical Vapors."</p>
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Use appropriate face shield and approved goggles.
Skin Protection:	Handle with approved impervious clothing and gloves. Flame retardant antistatic protective clothing is recommended to protect from body contact.
Respiratory Protection	Use either an atmosphere supplying respirator or an air purifying respirator for organic vapors. If permissible exposure level is exceeded, use NIOSH approved respirator.
General Hygiene Considerations:	Wash hands after use. Eye wash fountains and safety showers are generally required in adequate location for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless, clear liquid	Upper/Lower Flammability:	Not determined
Odor:	Characteristic, alcohol like	Vapor Pressure (mmHg)	50 mmHg (6.7 kPa) at 20 °C.
Odor Threshold:	Not determined	Vapor Density (air = 1)	Not determined
pH:	Not determined	Relative Density (H₂O=1):	0.812 @ 20 °C
Melting point /Freezing Point:	Not determined	Solubility (in water):	Completely Soluble
Boiling point/range:	79 °C (174 °F)	Partition coefficient: n-octanol/water:	Not determined
Flash point	12°C (54°F) – TAG CLOSED CUP (ASTM D 56)	Auto-ignition temperature	Lowest known: 365 °C (689 °F) (For Ethanol)
Evaporation rate (butyl acetate = 1)	3.8	Decomposition Temperature:	Not determined
Flammability:	Flammable	Viscosity	Not determined

10. STABILITY AND RACTIVITY

Reactivity:	Slightly reactive
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous reactions:	Vapors may form explosive mixture with air.
Conditions to Avoid:	Heat, sparks, open flame, extreme temperature, direct sunlight
Incompatible materials:	Strong oxidizing agents, Concentrated nitric or sulfuric acid.
Hazardous Decomposition Products:	Carbon Oxides (CO, CO ₂) and other toxic vapors or gases.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not determined
Skin irritation:	Not determined
Eye contact damage:	Not determined
Respiratory damage:	Not determined
Ingestion overdose:	May be fatal. Target organs damage (CNS, Kidney, liver, etc.)
Delayed, immediate, or chronic effects from short- and long-term exposure	Effects of repeated overexposure: Long-term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis. Other Effects of Overexposure: Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect

	<p>the central nervous system of the fetus, producing a collection of effects, which together constitute the fetal alcohol syndrome. These include mental and physical retardation, disturbances of learning, mother and language deficiencies, behavioral disorders, and neurotoxicity of linear 6 carbon solvents.</p> <p>Medical Conditions Aggravated by Exposure: Repeated exposure to ethanol may aggravate liver injury produced from other causes. Skin contact may aggravate an existing dermatitis.</p>
LD50	<p>Toxicological Data on Ingredients: Ethyl alcohol 200 Proof: ORAL (LD50): Acute: 7060 mg/kg [Rat]. 3450 mg/kg [Mouse].</p> <p>VAPOR (LC50): Acute: 20000 ppm 8 hours [Rat]. 39000 mg/m 4 hours [Mouse].</p>
Symptoms associated with exposure:	Not determined
Carcinogenicity:	
OSHA:	Not listed
NTP:	Not listed
IARC:	Not listed

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	Not determined
Chemical degradation:	Not determined.
Biodegradation:	Not determined.
Bioaccumulation potential	Not determined.
Adsorption studies or leaching studies:	Not determined.
Other adverse effects	Not determined.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Class 3: Flammable Liquid
UN number:	UN 1993
UN proper shipping name:	Flammable Liquid N.O.S (Ethanol, Methyl Isobutyl Ketone)
Transport hazard class(es):	3

Packing group number:	PG II
Environmental hazards:	Not applicable
Special precautions:	Keep away from heat, sparks, and ignition sources.

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

The information in this SDS is considered current and reliable. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal are beyond Humco's control, it is the responsibility of the user to determine safe conditions for use and to assume liability for loss, damage, or expenses arising from improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission. Various agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.