



# SAFETY DATA SHEET

Issue Date

Date 7-October-2021

Version 1

## 1. IDENTIFICATION

### Product identifier

Product Name Denatured Alcohol

### Other means of identification

Product Code FG00208

Synonyms

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

Recommended Use Industrial Use

Uses advised against No Data

### Details of the supplier of the safety data sheet

#### Distributor Address

Clean Pro Supply 1533 Lyell Ave, Suite B Rochester, NY 14606 | 585-623-5075

### Emergency telephone number

Company Phone Number 585-623-5075

24 Hour Emergency Phone Number CHEMTEL (800)-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

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

Flammable Liquids	Category 2
Acute Toxicity, Oral	Category 3
Acute Toxicity, Dermal	Category 3
Acute Toxicity, Inhalation	Category 3
Specific target organ toxicity, single exposure	Category 1

### Label elements

#### Emergency Overview

**Danger!**

#### **Hazard statements**

Highly flammable liquid and vapor

Toxic if swallowed

Toxic in contact with skin

Toxic if inhaled

Causes damage to organs



**Appearance** Transparent Liquid      **Physical state** liquid      **Odor** Low

**Precautionary Statements - Prevention**

- Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/light/equipment, etc.
- Use only non-sparking tools
- Take precautionary measures to prevent static discharge
- Do not breathe dust/fumes/gas/mist/vapors/spray
- Wash thoroughly after handling
- Do not eat, drink, or smoke when using this product
- Use only outdoors or in a well-ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

- IF SWALLOWED Immediately call a POISON CENTER or doctor/physician
- IF ON SKIN Wash with plenty of water
- IF ON SKIN Remove/take off immediately all contaminated clothing. Rinse skin with water
- IF INHALED Remove victim to fresh air and keep comfortable for breathing
- If exposed or concerned, call POISON CENTER/doctor/physician

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local/regional/national regulations.

**Hazards not otherwise classified (HNOC)**

Repeated exposure may cause skin dryness or cracking

**Other Information**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Chemical Name	CAS No.	Weight-%	Trade Secret
Hexone	108-10-1	< 1%	*
Methanol	67-56-1	15-20%	*
Ethyl Alcohol	64-17-5	75-80%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Description of first aid measures**

<b>General advice</b>	Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.
<b>Eye contact</b>	IF IN EYES: Flush with water for 15 minutes. Seek immediate medical attention.
<b>Skin contact</b>	IF ON SKIN (or hair): Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before use. If irritations persist, seek immediate medical attention.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.
<b>Ingestion</b>	IF SWALLOWED: If vomiting occurs, keep head below hips to prevent aspiration into lungs. Induce vomiting.

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

**Symptoms** Eye, Skin, and Respiratory Irritation.

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

**Note to physicians** Treat symptomatically. For additional information, see Safety Data Sheet.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Water fog, foam, CO2, dry chemical.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Special Fire Fighting Procedures**

Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

**Unusual Fire Fighting Hazards**

Product is flammable and may be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distances to a source of ignition where they can ignite, flashback, or explode. May create vapor/air explosion hazard indoors, outdoors, or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment, and emergency procedures**

**Personal precautions** Keep all sources of ignition and hot metal surfaces away from spill or release. Evacuate all unprotected personnel from the area.

**Environmental precautions**

**Environmental precautions** Prevent liquid from entering drains, sewers, or waterways. Contain spill if it can be done with minimal risk. Notify proper authorities.

**Methods and material for containment and cleaning up**

**Methods for containment** Use foam on spills to minimize vapors.

**Methods for cleaning up** Using only non-sparking tools and explosion proof equipment, collect spill on absorbent

material and put into approved container.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling**

Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take measures to prevent the buildup of electrostatic charge. Use non-sparking tools. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

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

**Storage Conditions**

- NFPA Class I Storage.
- Vent container carefully before opening.
- Bond and ground all equipment when transferring from one vessel to another. The use of explosion-proof equipment is recommended.
- "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind, or expose such containers to heat, flames, sparks, or other ignition sources.
- Keep containers tightly closed when not in use.
- Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:**

Component Name	CAS#	OSHA PEL	ACGIH TLV
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm
Hexone	108-10-1	50 ppm	20 ppm
Methanol	67-56-1	200 ppm (Skin)	200 ppm (Skin)

**Appropriate engineering controls**

**Engineering Controls**

Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

**Monitoring**

Follow accepted work practices for handling a flammable material. Do not eat, drink, or smoke in areas where this chemical is used or stored. Have eye wash stations and safety showers readily available.

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

**Eye/face protection**

Googles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

**Skin and body protection**

Impervious solvent resistant gloves.  
Impervious apron and work boots recommended where splashing may occur.

**Respiratory protection**

Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

**General Hygiene Considerations**

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Alcohol odor
<b>Appearance</b>	Clear, colorless, liquid	<b>Odor threshold</b>	No data available
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not Available	
Melting point / freezing point	Not Applicable	
Boiling point / boiling range	148 - 241 °F	
Flash point	55 - 59 °F	CC (closed cup)
Evaporation rate	2.32 (Butyl Acetate=1)	
Flammability (solid, gas)	Not Relevant	
Flammability Limit in Air		
Upper flammability limit:	21.8%	
Lower flammability limit:	3.65%	
Vapor pressure	51.7 mmHg @ 20 °C	
Vapor density	1.53 (Air=1)	
Specific Gravity	.79 (6.63#/Gal)	
Water solubility	Not Available	
Solubility in other solvents	Not Available	
Partition coefficient	Not Available	
Autoignition temperature	Not Available	
Decomposition temperature	Not Available	
Kinematic viscosity	Not Available	
Dynamic viscosity	Not Available	
Explosive properties	Not Available	
Oxidizing properties	Not Available	

**Other Information**

<b>Softening point</b>	Not Relevant
<b>Molecular weight</b>	Not Available
<b>VOC Content (%)</b>	100% (6.75#/Gal)
<b>Density</b>	Not Available
<b>Bulk density</b>	Not Available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable
<b>Conditions to Avoid</b>	Extreme heat and ignition sources
<b>Hazardous Decomposition/Byproducts</b>	CO, CO2, and various hydrocarbons under combustion conditions
<b>Hazardous Polymerization</b>	Will not occur
<b>Polymerization Conditions to Avoid</b>	None
<b>Incompatibilities</b>	Strong Oxidizers

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	May cause irritation to the upper respiratory tract and CNS depression. Low to moderate
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degree of toxicity by inhalation.

- Eye contact** Causes eye irritation including stinging, watering and redness which may result in corneal injury.
- Skin contact** Contact may cause mild skin irritation including redness, burning, and drying/cracking of the skin.
- Ingestion** Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.  
Moderate to high degree of toxicity by ingestion. May be harmful or fatal if swallowed.  
May produce CNS depression and kidney damage which may be fatal.
- Acute Toxicity Value** See Health Hazards below.
- Chronic (Long Term) Effects** See Health Hazards below.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol	Rat – 7,060 mg/kg	-	Rat – 10 h – 20000 ppm
Hexone	Rat – 2,080 mg/kg	Rabbit - > 16,000 mg/kg	Rat – 4 h – 8.2 – 16.4 mg/m3
Methanol	Human – 143 mg/kg Rat – 1,187 – 2,769 mg/kg	-	Rat – 4 h – 128.2 mg/l Rat – 6 h – 87.6 mg/l

**Information on toxicological effects**

**Symptoms** May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.

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

**Reproductive Effects** Not Available  
**Teratogenicity** Not Available  
**Mutagenicity** Not Available  
**Embryotoxicity** Not Available  
**Sensitization to Product** Not Available  
**Synergistic Products** Not Available  
**Carcinogenicity** Not Listed as Carcinogen

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Information not available.  
**Mobility** Information not available.  
**Degradability** Information not available.  
**BioAccumulation** Information not available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging** Dispose of in accordance with federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	UN1987, Alcohols, N.O.S. (Contains Ehtyl Alcohol, D-4), 3, II
<b><u>IATA</u></b>	UN1987, Alcohols, N.O.S. (Contains Ehtyl Alcohol, D-4), 3, II
<b><u>IMDG</u></b>	UN1987, Alcohols, N.O.S. (Contains Ehtyl Alcohol, D-4), 3, II

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	Yes
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**US State Regulations**

**California Proposition 65**

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b><u>NFPA</u></b>	Health hazards 3	Flammability 3	Instability 0	Physical and Chemical Properties -
<b><u>HMIS</u></b>	Health hazards 3	Flammability 3	Physical hazards 0	Personal protection -

**Issue Date**  
**Date** 7-October-2021

**Revision Note**  
 No data available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**