

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Denatured Alcohol
Synonyms:
Product Number: 95-4001 (1-gallon jug), 95-4005 (5-gallon pail)
Company: Durável
Address: P.O. Box 1141, Davidson NC 28036
Business Phone: (704) 837-7991
Emergency Phone: Chemtrec US (800) 424-9300 CNN 874540
Date of Current Revision: August 10, 2020

SECTION 2: HAZARD 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

EMERGENCY OVERVIEW: This product is a clear liquid.

DANGER!

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 areas
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

SECTION 3: COMPOSITION AND 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.

SECTION 4: FIRST-AID MEASURES**Description of First Aid Measures****General Advice**

Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.

Eye Contact	IF IN EYES: Flush with water for 15 minutes. Seek immediate medical attention.
Skin Contact	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.
Inhalation	IF INHALED: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.
Ingestion	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.

SECTION 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.

SECTION 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.

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

Advice for 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.

SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION

Control parameters

Exposure guidelines Acetone - CAS# 67-64-1: UK. EH40 WEL TWA 500 ppm 8 hours, STEL 1500 ppm 15 minutes.

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 and face protection Goggles 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 work day.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Alcohol odor
Appearance	Clear, colorless, liquid	Odor Threshold	No data available
Color	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	
 <u>Other Information</u>		
Softening point	Not Relevant	
Molecular weight	Not Available	
VOC Content (%)	100% (6.75 #/Gal)	
Density	Not Available	
Bulk Density	Not Available	

SECTION 10: STABILITY AND REACTIVITY**Polymerization Conditions to Avoid**

None

Chemical stability

Stable

Possibility of Hazardous Reactions

Hazardous polymerization does not occur

Conditions to avoid

Extreme heat and ignition source

Incompatible materials

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

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Information not available
Mobility	Information not available
Degradability	Information not available
BioAccumulation	Information not available

SECTION 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

SECTION 14: TRANSPORTATION INFORMATION

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

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies

IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	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

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	Yes
Reactive hazard	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

US State Right-to-Know Regulations**US EPA Label Information**

SECTION 16: OTHER INFORMATION

NFPA Health hazards 3 Flammability 3 Instability 0 Physical and Chemical Properties -
3

HMIS Health hazards 3 Flammability 3 Physical hazards 0 Personal Protection
3

Issue Date August 3, 2020

Revision Date Not applicable

Revision Note None

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. 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. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

END OF SAFETY DATA SHEET