



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

All non-emergency calls should be directed to
 Customer Service at 800-662-3435

NAME: RUBBING ALCOHOL 70%

SDS NO. 0040

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rubbing Alcohol 70%

Synonyms: Ethanol, Ethyl Alcohol

Recommended Use: First aid antiseptic

Manufacturer by: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Flammable liquid category 2
Signal Word:	DANGER
Hazard Statements:	Highly flammable liquid and vapor.

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
ETHYL ALCOHOL	64-17-15
ACETONE	67-64-1

METHYL ISOBUTYL KETONE	108-10-1
WATER	7732-18-5

The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Exposure to vapors may cause irritation to the respiratory tract. Headache and drowsiness 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	Vomiting, Nausea, diarrhea, drowsiness, Headache, May have anesthetic and central nervous system (CNS) depression.	Do NOT induce vomiting unless directed to so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin	May cause dermal irritation	If irritation occurs, wash with disinfectant soap and water. If persist, get medical attention.
Eyes	May cause eye irritation	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point:	56°F
Auto Ignition:	Not determined
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, it emits carbon oxides (CO & CO ₂)
Fire Fighting Equipment and Procedures:	Wear protective clothing and equipment suitable for the surrounding fire. Small fire: Dry chemical powder can be used. Large Fire: Alcohol foam, water spray or fog. Cool containing vessels with water get in order to prevent pressure build-up, auto-ignition or explosion.

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 respirator when
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	ventilation is inadequate. Beware of vapors accumulating to form explosive concentrations.
Environmental Precautions:	Prevent discharge to open waters and sewage.
Method of Containment:	Contain spill, collect using an electrically protected vacuum cleaner or by wet brushing. 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 water.

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), oxidizing agents, and acids.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	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.
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:	Typical alcohol	Vapor Pressure (mmHg)	44.6 mm of Hg @ 68°F

Odor Threshold:	Not determined	Vapor Density (air = 1)	1.59
pH:	Not determined	Relative Density (H₂O=1):	0.875 g/cm ³ at 25 °C
Melting point /Freezing Point:	-173°F	Solubility (in water):	Completely Soluble
Boiling point/range:	173°F	Partition coefficient: n-octanol/water:	Not determined
Flash point	56°F	Auto-ignition temperature	Not determined
Evaporation rate (butyl acetate = 1)	Not determined	Decomposition Temperature:	Not determined
Flammability:	Flammable	Viscosity	Not determined

10. STABILITY AND RACTIVITY

Reactivity:	Not determined
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:	Oxidizing agents, acid anhydrides, Aluminum, Halogenated compounds, acids, salts, Plastics and rubber
Hazardous Decomposition Products:	Carbon Oxides (CO, CO ₂)

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not determined.
Skin irritation:	Not determined
Eye contact damage:	Not determined
Respiratory damage:	Not determined
Ingestion overdose:	Not determined
Delayed, immediate, or chronic effects from short- and long-term exposure	Not determined
LD50	Not determined
Symptoms associated with exposure:	May cause skin and eye irritation.
Carcinogenicity:	
OSHA:	Not listed
NTP:	Not listed

IARC:	Not listed
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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:	1170
UN proper shipping name:	Ethanol
Transport hazard class(es):	3
Packing group number:	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.