

**MATERIAL DATA SAFETY SHEET****SECTION I**

<b>MANUFACTURER'S NAME</b>	Parks Corporation	<b>CHEMICAL NAME &amp; SYNONYMS</b>	Denatured Alcohol
<b>STREET ADDRESS</b>	One West Street	<b>CHEMICAL FAMILY</b>	Oxygenated Hydrocarbon Mixture
<b>CITY, STATE &amp; ZIP</b>	Fall River, MA 02720	<b>TRADE NAME</b>	<b>PARKS DENATURED ALCOHOL</b>
<b>EMERGENCY TELEPHONE</b>	(508) 679-5938	<b>SIZES/CODES</b>	5 Gallon #2122 Gallon #2123 Quart #2125 Pint #2127
		<b>FORMULAS REVISED</b>	Mixture 08/09/02

**SECTION II – HAZARDOUS INGREDIENTS**

<u>SOLVENTS</u>	<u>% BY WT</u>	<u>CAS #</u>	<u>ACGIH TLV PPM</u>	<u>OSHA PEL PPM</u>
Ethanol	87-92	64-17-5	1000	1000
Methanol*	5-10	67-56-1	200	200
Methyl Isobutyl Ketone*	1-5	108-10-1	50	50
Ethyl Acetate	1-5	141-78-6	400	400
Rubber Solvent	1-5	64742-89-8	400	400
Water	5-10	7732-18-5	NE	NE

\*SECTION 313 OF SARA TITLE III.

**PIGMENTS:** N.A.**CATALYST:** N.A.**VEHICLE:** N.A.**ADDITIVES & OTHERS:** N.A.**SECTION III – PHYSICAL DATA**

<b>BOILING POINT (°F)</b>	<173°F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	0.800
<b>VAPOR PRESSURE (mmHg)</b>	57 mmHg @ 20°C	<b>PERCENT VOLATILE</b>	100%
<b>VAPOR DENSITY (AIR=1)</b>	Heavier	<b>BY VOLUME (%)</b>	
<b>APPEARANCE AND ODOR</b>	Clear, Characteristics	<b>EVAPORATION RATE (ETHER=1)</b>	Less than 1
		<b>V.O.C.</b>	815 g/l

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA****FLASH POINT (METHOD USED):** 41°F TCC.**FLAMMABLE LIMITS (% BY VOLUME IN AIR)****LEL:** 3%**UEL:** 19%**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, halon, polar or alcohol foam or water spray is recommended. Water may be ineffective.**SPECIAL FIRE FIGHTING PROCEDURES:** Wear appropriate protective equipment, including respiratory protection, as conditions warrant. See Section VIII. Stop spill/release if it can be done without risk. Move undamaged containers from fire area if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA (CONT'D)

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** This material 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 may travel considerable distances to a source of ignition where they may ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. Vapors are heavier than air and may accumulate in low areas. If container is not properly cooled, it may explode in the heat of a fire.

### HAZARD RANKING

0 Least; 1 Slight; 2 Moderate; 3 High; 4 Extreme

#### NFPA HAZARD CLASS

Health Hazard	2
Flammability	3
Reactivity	0

#### HMIS HAZARD CLASS

Health Hazard	2
Flammability	3
Reactivity	0
Personal Safety	C

## SECTION V – HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE:** See Section II.

### EFFECTS OF OVEREXPOSURE

**GENERAL:** Prolonged exposure to excessive concentrations of ethanol may result in irritation of mucous membranes, headache, drowsiness, fatigue and narcosis. Methanol is also narcotic in effect and its effects are cumulative. Overexposure to methanol can result in acidosis and visual disturbances which may progress to permanent loss of vision.

**EYE CONTACT:** Liquid or vapor may cause irritation.

**SKIN CONTACT:** May be harmful if absorbed through the skin.

**INHALATION:** May be harmful if inhaled.

**INGESTION:** May be fatal or cause blindness if swallowed.

**EMERGENCY AND FIRST AID PROCEDURES:** POISON! GET MEDICAL ATTENTION IMMEDIATELY.

**EYE CONTACT:** Immediately flush with plenty of water for at least 15 minutes. Remove from airborne exposure, treat symptomatically and get medical attention.

**SKIN CONTACT:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse.

**INGESTION (SWALLOWING):** If conscious, induce vomiting immediately by giving two (2) glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Get medical attention.

**INHALATION (BREATHING):** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen and get medical attention immediately.

## SECTION VI – REACTIVITY DATA

**STABILITY:** Stable. Avoid all possible sources of ignition (See Section IV).

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong alkalis; Oxidizing materials can cause a vigorous reaction.

**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:** Carbon monoxide and/or carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None known.

## SECTION VII – SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate all ignition sources. Small spills may be collected with absorbent materials. For large spills, use water spray to dilute spill to a nonflammable mixture. Prevent runoff from entering drains, sewers or streams.

**WASTE DISPOSAL METHOD:** Mix with compatible chemical which is less combustible and incinerate. Observe all federal, state and local laws concerning health and environment.

## SECTION VIII – SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** An appropriate NIOSH approved respirator.

### **VENTILATION**

**LOCAL EXHAUST:** Yes.

**MECHANICAL (GENERAL):** Yes.

**SPECIAL:** N.A.

**OTHER:** N.A.

**PROTECTIVE GLOVES:** Impermeable.

**EYE PROTECTION:** Safety goggles.

**OTHER PROTECTIVE EQUIPMENT:** Source of clean water for flushing eyes and skin. Impervious clothing should be worn as needed.

## SECTION IX – STORAGE AND SPECIAL PRECAUTIONS

**HANDLING AND STORAGE PRECAUTIONS:** Keep away from heat, sparks and flame. Keep container closed. Use with adequate ventilation.

**OTHER PRECAUTIONS:** Emptied containers retain product residue. Follow label warnings even after container is emptied.

**OTHER REGULATORY INFORMATION:** The State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65) develops a list of chemicals that require specific warnings relating to cancer and/or reproductive toxicity. This product contains the following chemicals subject to the reporting requirements of the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65).

<b><u>CHEMICAL</u></b>	<b><u>CAS #</u></b>	<b><u>QUANTITY</u></b>
Toluol**	108-88-3	<.06%
Benzene**	71-43-2	1 PPM

The warning on the product states:

WARNING: USE OF THIS PRODUCT WILL EXPOSE YOU TO BENZENE WHICH IS KNOWN TO CAUSE CANCER AND TO TOLUOL WHICH IS KNOWN TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

**\*\*Not included in Section II as this chemical is less than .1% of the formula.**

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