

**Section I**

Manufacturer's Name	PARKS CORPORATION	Chemical Name & Synonyms	LACQUER THINNER
Street Address	P.O. BOX 5	Chemical Family	SOLVENT BLEND
City, State, and Zip Code	SOMERSET, MA 02726	Trade Name	PARKS LACQUER THINNER
Emergency Telephone No.	(508) 679-5938	Formulas	N.A.
		REVISED	1/3/94

**Section II HAZARDOUS INGREDIENTS**  
**PAINTS, PRESERVATIVES, & SOLVENTS**

Pigments	%	TLV (Units)	Solvents					
N/A			Isobutyl Isobutyrate	97-95-8	None			
Catalyst N/A			Methyl Ethyl Ketone	78-93-3	200	PPM	OSHA	TWA
Vehicle N/A					200	PPM	ACGIH	TWA
Additives & Others N/A					300	PPM	ACGIH	STEL
					300	PPM	OSHA	STEL
					200	PPM	MSHA	TWA
					200	PPM	CAL OSHA	TWA
			N. Butyl Acetate	123-86-4	150	PPM	OSHA	TWA
					150	PPM	ACGIH	TWA
					200	PPM	OSHA	STEL
					200	PPM	ACGIH	STEL
			Methanol	67-56-1	200 (Skin)	PPM	OSHA	TWA
					250 (Skin)	PPM	ACGIH	STEL
					250 (Skin)	PPM	OSHA	STEL
					200 (Skin)	PPM	ACGIH	TWA
					1000	PPM	CAL OSHA	CEIL
					200	PPM	CAL OSHA	TWA
			Toluene	108-88-3	100	PPM	OSHA	TWA
					100	PPM	ACGIH	TWA
					150	PPM	ACGIH	STEL
					150	PPM	OSHA	STEL
					100	PPM	MSHA	TWA
					200	PPM	CAL OSHA	EXCUR
					100 (Skin)	PPM	CAL OSHA	TWA
					500 (Skin)	PPM	CAL OSHA	CEIL
			Lactol Spirits	64742-89-8	None			
			Cyclohexane	110-82-7	300	PPM	OSHA	TWA
					300	PPM	ACGIH	TWA
					375	PPM	MSHA	STEL
					300	PPM	MSHA	TWA
					300	PPM	CAL OSHA	TWA
			Heptane	142-82-5	400	PPM	OSHA	TWA
					400	PPM	ACGIH	TWA
					500	PPM	ACGIH	STEL
					500	PPM	OSHA	STEL
					400	PPM	MSHA	TWA
					500	PPM	MSHA	STEL
					400	PPM	CAL OSHA	TWA
			Methyl Cyclohexane	108-87-2	400	PPM	OSHA	TWA
					400	PPM	ACGIH	TWA
					500	PPM	MSHA	STEL
					400	PPM	CAL OSHA	TWA
					400	PPM	MSHA	TWA

This product contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

Listed Ingredients	CAS Number	Weight Percentage Range
Toluene	108-88-3	21.62 - 25.08
Cyclohexane	110-82-7	0.41 - 1.23
Methanol	67-56-1	16.34 - 16.50
Methyl Ethyl Ketone	78-93-3	10.40 - 10.50

**Section III PHYSICAL DATA**

Boiling Point (°F)	148-281	Specific Gravity (H <sub>2</sub> O = 1)	0.794
Vapor Pressure (mm Hg.)	64.6	Percent Volatile by Volume (%)	100
Vapor Density (Air = 1)	2.99	Evaporation Rate (Eiher = 1)	> = 1
Solubility in Water	19.5 Est		
Appearance and Odor	Clear, Characteristic Odor		

**Section IV FIRE AND EXPLOSION HAZARD DATA**

NFPA HAZARD CLASS	Health Hazard	2	HAZARD RANKING	3-High	HMIS HAZARD CLASS	Health Hazard	2*
	Flammability	3		0-Least		Flammability	3
	Reactivity	0		1-Slight		Reactivity	0
	Other	-		4-Extreme		Other	-
				2-Moderate			

\*Long Term Health Effect  
 LOWER - UPPER EXPLOSIVE LIMIT (% VOL): 1.0 - 36.0  
 FLASH POINT 18°F (Observed)

**EXTINGUISHING MEDIA:** Extinguish with dry chemical, CO2 or a universal type foam.

**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, flash-back, 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.

**PARKS LACQUER THINNER**

**FIRE FIGHTING PROCEDURES:** Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section IV). 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 V HEALTH HAZARD DATA**

**EYE CONTACT:** One or more components of this material is an eye irritant. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing, redness, and swelling. **SKIN CONTACT:** One or more components of this material is a skin irritant. Direct contact with this material may cause redness, burning, and skin damage. **SKIN ABSORPTION:** Contact may result in skin absorption but symptoms of toxicity are not anticipated by this route alone under normal conditions of use. Persons with preexisting skin disorders may be more susceptible to the effects of this material. **INHALATION (Breathing):** While this material has a low degree of toxicity, breathing high concentrations of vapors or mists may cause: irritation of the nose and throat, signs of nervous system depression (e.g. headache, drowsiness, dizziness, loss of coordination and fatigue), nausea. Respiratory symptoms associated with preexisting lung disorders (e.g., asthma-like conditions) may be aggravated by exposure to this material. **INGESTION (Swallowing):** One or more components of this material is toxic and may be harmful if swallowed. Effects of overexposure may include: irritation of the digestive tract, signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, and fatigue), visual disturbances (including blindness), convulsions, coma, death, diarrhea.

**EMERGENCY AND FIRST AID PROCEDURES:** **EYE CONTACT:** Move victim away from exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek medical attention. For direct contact, hold eyelids apart and flush the affected eye(s) with clean water for at least 15 minutes. Seek medical attention. **SKIN CONTACT:** Remove contaminated shoes and clothing and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse the affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops, seek medical attention. **INHALATION (Breathing):** If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualifying personnel. Seek immediate medical attention. **INGESTION (Swallowing):** This material is a potential aspiration hazard. If swallowed, seek emergency medical attention. If victim is drowsy or unconscious, place on the left side with the head down and do not give anything by mouth. Because of potential toxicity, if victim is conscious and alert, vomiting should be induced for ingestion of more than 1 swallow (1-2 tablespoons for an adult) preferably with syrup of ipecac under direction from a physician or poison center. If possible, do not leave victim unattended. **COMMENTS: Note to Physician:** This product contains methanol. Methanol is metabolized to formaldehyde and formic acid. This in turn may cause metabolic acidosis, visual disturbances and blindness. Because metabolism must occur before the toxic effects, the onset of toxic symptoms may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. Exposure to high concentrations of this material (e.g., in enclosed spaces or with deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Other drugs with less arrhythmogenic potential should be considered. **ASPIRATION HAZARD:** One or more components of this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. **COMMENTS:** Methyl Ethyl Ketone, a component of this material, causes harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain. Studies have shown that Methyl Ethyl Ketone (MEK) may shorten onset of, and/or increase the likelihood of peripheral nerve damage associated with prolonged or repeated exposure to n-hexane. However, there is no evidence that exposure to MEK alone causes damage to peripheral nerves. Methanol, a component of this product, causes harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain. Results of tests in workers exposed to high concentrations have shown that Toluene, a component of this product, can cause irreversible changes in the genetic material (DNA) of a cell. The human health consequence of these changes is not fully understood. Intentional misuse by deliberate inhalation of toluene has been shown to cause liver, kidney, and brain damage. Toluene, a component of this product, causes harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain. Persons with preexisting heart disorders may be more susceptible to irregular heartbeats (arrhythmias) if exposed to high concentrations of this material (See Section II - Note to Physician). This material has not been identified as a carcinogen by NTP, IARC or OSHA. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as Solvent or Painters' Syndrome). Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**Section VI REACTIVITY DATA**

<b>STABILITY:</b>	Unstable	
	Stable	X

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids or bases, oxidizing agents, alkali metals, halogens, amines.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield carbon monoxide, carbon dioxide, phosgene and/or HCL. Do not breath smoke or fumes. Wear appropriate protective equipment.

<b>HAZARDOUS POLYMERIZATION:</b>	May Occur		Conditions to Avoid: None Known.
	Will Not Occur	X	

**Section VII SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Keep all sources of ignition and hot metal surfaces away from spill/release. Stay upwind and away from spill/release. Isolate hazard area and limit entry to emergency crew. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (See Section IV). Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. If spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center (phone number 800-424-8002). (TOLUENE DOT/CERCLA Reportable Quantity 5650 lb **WASTE DISPOSAL METHOD:** Dispose of product in accordance with local, county, state, and federal regulations.

**Section VIII SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** (Specific Type) The use of respiratory protection is advised when concentrations exceed the established exposure limits. See Section II. Gas mask with appropriate cartridges NIOSHA approved recommended.

<b>VENTILATION:</b>	Local Exhaust	Yes	Special	N/A
	Mechanical (General)	Yes	Other	Electrical Systems

**PROTECTIVE GLOVES:** Impermeable. **EYE PROTECTION:** Chemical splash goggles in compliance with OSHA.

**OTHER PROTECTIVE EQUIPMENT:**

**Section IX STORAGE AND SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE PRECAUTIONS:** Keep away from heat, sparks, and open flame. Ground all equipment. Do not breathe vapor. Do not take internally. Do not get in eyes, on skin, or clothing. Use with adequate ventilation or use approved respirator. When handling, wear chemical splash goggles, protective clothing and solvent resistant gloves. Wash thoroughly after handling or contact. Do not eat, drink or smoke in areas where this product is used. Do not apply air pressure, puncture or weld on or near containers. Store containers in cool, dry, ventilated fire resistant area away from heat and separated from oxidizers.

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