

**Kardol Quality Products**  
285 S. West Street  
Lebanon, Ohio 45036  
513-933-8206 Fax: 513-932-6900

**MATERIAL SAFETY DATA SHEET**  
# 196191, 196516 & 501310  
Trade Name: MEKP

**Section 1: Composition / Information on Ingredients**

Hazardous Component	CAS #	Weight Percent	OSHA PEL	ACGIH TLV
Methyl Ethyl Ketone Peroxide:	1338-23-4	30-35 %	5 mg/m <sup>3</sup>	1.5 mg/m <sup>3</sup>
Hydrogen Peroxide:	7722-84-1	0-5 %	1.4 mg/m <sup>3</sup>	1.4 mg/m <sup>3</sup>
2,2,4-Trimethylpentanediol- 1,3-diisobutyrate	6846-50-0	60-70 %	N/E	N/E

**Section 2: Physical & Chemical Properties**

Appearance & Odor:	Clear, red, or orange liquid with faint Ketone odor
pH:	
Vapor Pressure (mm Hg.):	N/D
Vapor Density (AIR = 1):	Heavier than air
Evaporation Rate (Ethyl Ether=1 = 1):	Slower than Ethyl Ether
Boiling Point:	Decomposes at temperatures above 131°F/55°C
Melting Point:	° F
Freezing Point:	° F
Solubility in Water:	Insoluble
Specific Gravity or Density (H <sub>2</sub> O = 1):	1.17 @25°C
Material VOC: (less water & exempts):	g/l=nil                      lbs/gal=nil

**Section 3: Fire & Explosion Hazard Data**

Flash Point:	180°F/82°C Seta Flash Closed cup (decomposes at temperatures above 131°F/55°C)
Flammability Limits:	
Extinguishing Media:	Carbon Dioxide, Dry Chemical, Foam
Special Fire Fighting:	Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.
Unusual Fire and Explosion Hazard:	Closed containers exposed to high temperatures, such as fire conditions, may rupture. Decomposition product are flammable and can ignite explosively if confined.

**Section 4: Reactivity Hazard Data**

Stability:	Unstable. Hazardous and uncontrollable decomposition may occur above 131°F/55°C . The self-accelerating decomposition temperature is 140°F/60°C.
Conditions to Avoid:	Open flames, sparks, heat, electrical and static discharge, storage at high temperatures.
Avoid:	Strong acids, alkalis, oxidizers.
Hazardous Decomposition:	Carbon Dioxide, Carbon Monoxide, Carbon, ethane and methane.

## Section 5: Health Hazard Data

**Inhalation Risks and Symptoms of Exposure:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.

**Skin and Eye Contact Health Risks and Symptoms:** Contact with skin can cause severe irritation, (itching, burning and/or redness), dermatitis, defatting may be readily absorbed through the skin. Corrosive to eyes. Contact with eyes can cause severe irritation, redness tearing, blurred vision, an/or swelling. May cause eye damage.

**Carcinogenicity:** NTP Carcinogen: NO IARC Monographs: OSHA Regulated: YES

**Medical Conditions Generally Aggravated by Exposure:** Inhalation, skin

### EMERGENCY FIRST AID PROCEDURE:

**Eye Contact:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician. Do not try to neutralize with chemical agents. Don't let victim rub eyes. If victim is wearing contact lenses, remove them. Consult a physician as soon as possible after flushing eyes with water.

**Skin Contact:** For skin contact, wash promptly with soap and excess water. If irritation persists, consult a physician.

**Inhalation:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician.

## Section 6: Control and Protective Measures

**Respiratory Protection:** If component exposure limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors. Use an air-supplied respirator if necessary.

**Ventilation:** Use adequate ventilation in volume and pattern to keep TVL/PEL below recommended levels. Explosion-proof ventilation may be necessary.

**Protective Gloves:** To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

**Eye Protection:** Use chemical goggles with splash guards or full face shield.

**Other Protective Clothing:** Wear protective clothing as required to prevent skin contact. Safety showers and eye wash stations are recommended where this material is handled.

**Work/Hygienic Practices:**

**Section 7: Precautions for Safe Handling & Use**

**IN CASE OF SPILL:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

**WASTE DISPOSAL:** Dispose of in accordance with local, state, and federal regulations.

**Other Precautions:**

<b>DOT</b>	<b>HAZARD INDEX</b>
<b>Shipping Name:</b>	<b>Health: 3</b>
<b>Liquid Cleaning Compound</b>	<b>Flammability: 2</b>
<b>N.O.I</b>	<b>Reactivity: 2</b>

**24 HOUR EMERGENCY NUMBER**  
**1-800-424-9300**

**KEEP OUT OF REACH OF CHILDREN!!!!**