

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200 Standard must be consulted for specific requirements

U.S. Department of Labor  
Occupational Safety and Health  
Administration (Non-Mandatory Form)  
Form Approved:  
OMB No. 1218-0072

**IDENTITY: JOE'S CITRUS BLUE HAND CLEANER MSDS #500**  
**FORMULA: PROPIERTARY FORMULATION**

**SECTION I**

**Manufacturer's Name:** Kleen Products, Inc. **Emergency Telephone Number** Oklahoma Poison Control (405) 271-5454  
**Address:** 8136 S.W. 8<sup>th</sup> Street  
Post Office Box 75223  
Oklahoma City, Ok. 73147  
**Telephone Number for Information** (800) 392-1792 / (405) 495-1168  
Date Prepared: 01/29/2004

**SECTION II**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%(OPTIONAL)
DEODORIZED NAPHTHA	#64742-15-0	100 PPM		+ - 1
ISOPROPANOL	#67-63-0	400 PPM		+ - 1
d-LIMONENE	#5989-27-5	N/E		
PETROLEUM HYDROCRABON OIL	#64741-89-5	N/E		
WATER	#7732-18-5	N/E		

**SECTION III**

Boiling Point: 168 DEGREES F.  
Specific Gravity (H2O = 1): 0.871 +/-  
Vapor Pressure (mm Hg): @ 20 Degrees C: 15.80  
Melting Point: N/E  
Vapor Density (AIR = 1): @ 20 Degrees C: 5.0  
Evaporation Rate (Butyl Acetate = 1): N/E  
Solubility in Water: COMPLETE WEIGHT/GALLON: 7 lbs.  
Appearance and Odor: THICK CREAMY WITH CITRS ODOR PH: 7.8 +/-  
Voc: 332.95 g/l

**SECTION IV – Fire and Explosion Hazard Data**

Flash Point (Method Used): 120 Degrees F, PM COC  
Flammable Limits: .8% By Volume in Air LEL: N/E UEL: N/E  
Extinguishing Media: CO2@, Foam and Dry Chemical  
Special Fire Fighting Procedures: Water spray ineffective on fire, may be used to cool container, will protect fire fighters. Handle as an oil fire. Use fog nozzles and self contained breathers.  
Unusual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from oxidizers, heat open flame. Closed containers may explode if exposed to extreme heat.

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### SECTION V – Reactivity Data

Stability: Unstable: Conditions to Avoid: Excessive Heat  
Stable: X

Incompatibility (Materials to Avoid): Isolate from strong oxidizers such as Permanganate

Hazardous Decomposition or Byproducts: Carbon Monoxide, Carbon Dioxide & Nitrogen Oxide vapors from burning.

Hazardous Polymerization:

May Occur: Conditions to Avoid, Catalyst such as aluminum chloride. Product is not an oxygen donor.

Will Not Occur: X

### SECTION VI – Health Hazard Data

Routes of Entry: Inhalation? No Skin? No Ingestion? No

Health Hazards (Acute and Chronic): Ingestion: Swallowing may cause abdominal irritation, nausea, vomiting and diarrhea. If swallowing occurs, do not induce vomiting due to aspiration. Seek medical attention.

Carcinogenicity: NTP? N/E IARC Monographs? N/E OSHA Regulated? No

Signs of Symptoms and Exposure: Eye Contamination: Primary irritation and redness. Flush with plenty of water for 15 minutes, or until irritation ceases.

List d-Limonene as GRAS – “GENERALLY RECOGNIZED AS SAFE”.

Medical Conditions Generally Aggravated by Exposure: SEE EYE CONTAMINATION.

Emergency and First Aid Procedures: See Ingestion, Health Hazards

### SECTION VII – Precautions for Safe Handling and Use

According to NFPA Codes: Health – 1 Fire – 2 Reactivity – 0

Steps to be taken in case Material is Released or Spilled: Mop up with absorbent material and dispose approved containers in accordance with local, state and federal pollution control regulations.

Waste Disposal Method: Recycle or dispose in accordance with local, state and federal regulations concerning health, safety and pollution.

Precautions To Be Taken in Handling and Storing: Do not store above 49 degrees C / 120 degrees F. Keep from freezing. Do not cut, weld or braze on or around open containers.

Other Precautions: None

### SECTION VIII – Control Measures

Respiratory Protection (Specify Type): None

Ventilation: Local Exhaust: Local Room Ventilation Special: None Mechanical (General): Acceptable Other: None

Protective Gloves: None Eye Protection: None

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: None

**Disclaimer:** The Manufacturer believes that the information contained on this Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.