



**MATERIAL SAFETY DATA SHEET**  
Penetone® Corporation, 700 Gotham Parkway, Carlstadt, NJ 07072

**CITRIKLEEN® AEROSOL**

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Date Prepared: June 6, 2008  
MSDS No.: 186084-806E

**SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION**

PRODUCT NAME: CITRIKLEEN AEROSOL  
GENERAL USE: Cleaning, degreasing  
PRODUCT DESCRIPTION: Solvent emulsion aerosol  
GENERIC INGREDIENTS: Water, d'limonene, surfactants, coupling agents, propellant

**EMERGENCY TELEPHONE NUMBERS: PENETONE 201-567-3000  
CHEMTREC 800-424-9300**

**SECTION 2 HAZARDOUS INGREDIENT SECTION**

This product is hazardous as defined in 29 CFR 1910.1200.

OSHA HAZARD: COMBUSTIBLE

**OSHA HAZARDOUS INGREDIENTS**

	CAS#	EXPOSURE LIMITS 8 hrs. TWA (ppm)		Supplier
		OSHA PEL	ACGIH TLV	
D'limonene	5989-27-5	not established	not established	---

**SECTION 3 HEALTH INFORMATION & PROTECTION**

**EMERGENCY OVERVIEW:**

**Clear amber liquid with citrus odor.  
Contents under pressure. Combustible. Can be irritating to eyes, skin, and respiratory tract.**

**POTENTIAL HEALTH EFFECTS:**

**EYE CONTACT:**

May cause irritation to eyes on prolonged contact. High vapor concentrations may be irritating.

**SKIN CONTACT:**

Frequent or prolonged contact may irritate or dry the skin, and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

**INHALATION:**

High vapor/aerosol concentrations are irritating to the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects.

**INGESTION:**

Small amounts of this liquid may be drawn into the lungs by either swallowing or vomiting. This may cause severe and delayed health effects such as inflammation of the lungs and infection of the bronchi. Ingestion may cause irritation to the digestive tract.

**CHRONIC:**

Ingestion of large amounts of d'limonene has caused kidney and liver damage in male rats but not in female rats or mice of both species.

**FIRST AID MEASURES:**

**EYE CONTACT:**

Flush eyes with large amounts of water. See physician immediately.

**SKIN CONTACT:**

Flush skin with large amounts of water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, consult physician.

**INHALATION:**

Remove person to fresh air. Administer oxygen or artificial respiration as needed. Call a physician immediately.

**INGESTION:**

If swallowed, give plenty of milk or water. DO NOT INDUCE VOMITING. Use a stomach pump. Call a physician immediately.

**WORKPLACE EXPOSURE CONTROLS:**

**PERSONAL PROTECTION:**

Safety glasses are recommended for all workplace conditions.

**VENTILATION:**

None needed under normal use conditions. For enclosed areas, or where large amounts of the product are being used, the use of fans or other mechanical ventilation is recommended.

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**SECTION 4 FIRE & EXPLOSION HAZARDS**

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**FLASH POINT:** 125°F PMCC, 165°F COC

**FLAMMABLE LIMITS:** not determined

**AUTOIGNITION TEMPERATURE:** not determined

**GENERAL HAZARD:**

Aerosol cans are under pressure. Exposure to temperatures above 120°F can cause bursting or "rocketing" of cans. Combustible liquid. Can form combustible mixtures at or above the flash point. Containers can rupture and explode under fire conditions due to pressure and vapor buildup.

**FIRE FIGHTING:**

Either allow fire to burn out under controlled conditions or extinguish with water, foam, or dry chemical. Cool exposed containers with water spray.

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, fumes, and oxides of carbon and nitrogen.

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**SECTION 5 SPILL CONTROL MEASURES**

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**LAND SPILL:**

Eliminate sources of ignition. For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal container with lid tightly covered. **Solvent soaked materials may spontaneously combust.** For larger spills, dike spill, recover free liquid, and use absorbent material to dry area. Rinse area with water. Put all material into appropriate waste containers.

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**WATER SPILL:**

Remove product from water surface by skimming or with suitable absorbents. This product contains surfactants which will cause it to disperse in water. Localized high concentrations of this product may cause fish kills, but no persistent or long term effects will result. Check with local environmental regulatory agencies for reporting requirements.

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**SECTION 6 HANDLING & STORAGE**

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**STORAGE TEMPERATURE, °F:** ambient. Prolonged exposure to direct sunshine or storage above 120°F may cause cans to burst. Do not puncture or incinerate cans.

**GENERAL:** Keep away from heat sources, open flames, and other ignition sources. Do not store near strong oxidants.

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**SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

**BOILING POINT, °F:**

About 212

**EVAPORATION RATE, Acetone = 1:**

equal to water

**SOLUBILITY IN WATER:**

emulsifies

**SPECIFIC GRAVITY at 75°F:**

0.98

**ODOR AND APPEARANCE:**

clear amber liquid with citrus odor

**VAPOR PRESSURE, mm Hg at 20°C:**

equal to water

**VAPOR DENSITY (Air = 1):**

equal to water

**WT% ORGANIC VOLATILES:**

about 30

**pH:**

10.1

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**SECTION 8 REACTIVITY DATA**

**GENERAL:**

This product is stable and hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:**

Strong oxidizing agents.

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**SECTION 9 REGULATORY INFORMATION**

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**DEPARTMENT OF TRANSPORTATION (DOT):**

**PROPER SHIPPING NAME:**

AEROSOLS

**HAZARD CLASS:** 2.2

**IDENTIFICATION NUMBER:** UN1950

**PACKING GROUP:** none

**LABEL:** not required

**FLASH POINT:** 125°F PMCC

**pH:** 10.1

**TSCA:** The ingredients in this product are listed on the TSCA inventory.

**CERCLA:**

This product contains no CERCLA reportable materials. Contact local authorities to determine if there may be other local reporting requirements.

**RCRA HAZARD CLASS:**

D001 Ignitable hazardous waste

**SARA TITLE III:**

**311/312 HAZARD CATEGORIES:**

Acute health, Chronic health, Fire

**313 REPORTABLE INGREDIENTS:**

Diethylene glycol monobutyl ether CAS# 112-34-5 5-10 wt%

**NEW JERSEY RIGHT-TO-KNOW INFORMATION:**

This product contains water (CAS# 7732-18-5), d'limonene (CAS# 5989-27-5), nonylphenol ethoxylate (CAS# 9016-45-9), fatty acid soap (CAS# not available), diethylene glycol monobutyl ether (CAS# 112-34-5), and nitrous oxide (CAS# 10024-97-2).

**CALIFORNIA PROPOSITION 65 INFORMATION:**

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

**SCAQMD INFORMATION:**

Is there a photochemically reactive material present? Yes  
What is the % by volume of photochemically reactive material? about 30  
What is the VOC content? 310 g/l  
What is the vapor pressure of VOC's? 0.10 mm Hg @ 20°C

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**SECTION 10 NOTES**

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**HAZARD RATING SYSTEMS:**

	HMIS	NFPA
HEALTH	1	1
FLAMMABILITY	2	2
REACTIVITY	0	0

KEY  
4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

**REVISION SUMMARY:**

Change in Section 9

**SUPERSEDES ISSUE DATE:**

February 2, 2004

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER  
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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