



**MAIN**  
**101 USES**  
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**Material Safety Data Sheet**

Prepared according to 29 CFR 1910.1200

**Section 1 - Product Identification**

**Distributor:** National Chemical Co.  
**Address:** 4044 Lake Mary Blvd., Unit #104  
 Lake Mary, FL 32746  
**Emergency Phone:** 1-800-421-8553  
**Trade Name:** Citrus Clean  
**Product Type:** Citrus Cleaner/Degreaser

**Section 2 - Ingredients**

<b>Chemical Name / Common Name</b>	<b>CAS No.</b>	<b>Percent TLV(Source)</b>	
Nonionic Surfactant	9016-45-9M	1-5%	None Established
2-Butoxyethanol (Section 13 "Glycol Ether")	111-76-2	1-5%	25ppm(SKIN) (TWA/STEL)
D-limonene	5989-27-5	1-5%	None Established

**SARA Hazard:** Title III, Section 13: As listed above.

**Section 3 - Physical Data**

**Boiling Point (°F):** 212°F  
**Specific Gravity (H2O=1.0):** 1.05 +/-0.005  
**pH:** 13.0 +/- 0.5  
**Vapor Pressure (mm Hg):** Not Determined  
**Vapor Density (Air=1):** Not Determined  
**Solubility in water:** Complete  
**Evaporation Rate (vs. H2O):** About the same  
**Appearance and Odor:** Clear, colored liquid with citrus odor.

**Section 4 - Fire and Explosion Hazard Data**

**Flash Point (T.C.C.):** None to Boiling  
**Flammable Limits:** N/A  
**Extinguishing Media:** Product is non-combustible. Water Spray (Fog); Dry Chemical; or Foam may be used where product is stored.  
**Special Firefighting Procedures:** Do not enter confined fire-spaces without protective clothing and

self-contained air supply.

**Unusual Fire and Explosion Hazard:** None

### **Section 5 - Reactivity Data**

**Stability:** Stable

**Incompatibility:** Strong Acids / Strong Oxidizers

**Hazardous Decomposition Products:** Burning may produce oxides of carbon and other substances.

### **Section 6 - Health Hazard Data**

**Primary Routes of Exposure:** Eye / Oral

**Signs and Symptoms of Overexposure (Acute):**

Direct contact with eyes may cause severe irritation and pain with marked redness and swelling of conjunctiva. May injure eye tissue if not promptly removed. Prolonged skin exposure may cause moderate irritation and reddening. Ingestion may cause moderate to severe irritation of mouth, throat and stomach with nausea and vomiting. Excessive inhalation of vapors may cause respiratory tract irritation.

**Signs and Symptoms of Overexposure (Chronic):**

Repeated overexposure may result in the absorption of potentially harmful amounts leading to kidney and liver effects.

**Medical Conditions Aggravated by**

**Overexposure:** An existing dermatitis

**Carcinogen or Suspect Carcinogen Ingredients:**

None

### **Section 7 - Emergency and First Aid Procedures**

**Eyes:** Flush eyes with water for at least 15 minutes and call a physician immediately.

**Skin:** Wash with large amounts of soap and water. If irritation persists, consult a physician.

**Ingestion:** Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.

**Inhalation:** Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

### **Section 8 - Special Protection Information**

**Respiratory Protection:** Not required under normal use conditions with good general ventilation. Protect against generated mist/spray back.

**Ventilation Requirements:** Normal

**Eye Protection:** Safety Glasses / Goggles

**Protective Gloves:** Rubber/PVC

**Other Protective Clothing:** Protective clothing appropriate to minimize contact during specific operations.

### **Section 9 - Spill or Leak Procedures**

**Steps to be Taken If Released or Spilled:** Do not touch or walk through spilled material. Stop leak if you can without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbant and reclaim into containers for

reuse, recycle or proper disposal.

## Section 10 - Storage and Handling Information

### Precautions to be Taken in Handling and Storage:

Do not get in eyes, on skin or clothing. Keep container closed when not in use. Wash thoroughly after handling. D.O.T. Classification: Not Regulated.

The health hazards given on the Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of product and not to the routine exposure of the diluted product under conditions of ordinary use.

	HEALTH	2*
HMIS	FLAMMABILITY	0
HAZARD	REACTIVITY	0
RATING	PERSONAL PROTECTION	X

0 = Least  
1 = Slight  
2 = Moderate  
3 = High  
<> 4 = Extreme

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