

# Material Safety Data Sheet

May be used to comply with OSHA's  
Hazardous Communication Standard, 29 CFR 1910.1200

## NPCA Hazardous Materials Identification System

Specific Hazard	Personal Protection
4-Severe	X-Ask a supervisor
3-Serious	A-Safety Glasses
2-Moderate	B-Goggles, Glasses
1-Slight	C-Goggles, Glasses, Apron
0-Minimal	D-Goggles, Glasses, Apron, & Faceshield

Health (2) Reactivity (1)  
Flammability (0) Personal Protection (B)

IDENTITY (As used on LABELS and LIST)

## CITRUS CLEAN CLEANER NCC 600

### SECTION I

MFGR'S NAME AND ADDRESS

NATIONAL CHEMICAL CO.  
4044 LAKE MARY BLVD. UNIT #104  
LAKE MARY, FL 32746

EMERGENCY TELEPHONE NUMBER  
NIGHTS / WEEKENDS

800-898-6229/407-425-9618  
407-415-8751

DATE PREPARED:  
8-17-10

### SECTION II-HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components	OSHA	PEL	ACGIH	Other	%Optional
Specific Components				Limits	
Specific Chemical Identity				Recommended	

Common Name(s)					
2-Butoxyethanol	50PPM		75PPM	1.0-5.0%	(CAS#111-76-2)

This mixture contains 6.0-8.0% of 2-Butoxyethanol which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

D-Limonene (CAS# 5989-27-5)	1-5%
NONIONIC SURFACTANT (CAS# 9016-45-9)	1-5%

### SECTION III-PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT (F)	Over 212°F	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.055
VAPOR PRESSURE (mmHg)	N/A	MELTING POINT	N/A
VAPOR DENSITY (air=1)	N/A	EVAPORATION POINT	Less than 1
SOLUBILITY IN WATER	Complete	(Butyl Acetate=1)	

APPEARANCE AND ODOR: Clear, orange, water-thin liquid with a pleasant orange fragrance.

### SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
Closed Cup- Over 250°F	N/A	N/A	

EXTINGUISHING MEDIA: Water Fog, Carbon Dioxide or Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

## SECTION V -REACTIVITY DATA CITRUS CLEAN CLEANER (NCC 600)

**STABILITY:** UNSTABLE ( )      **CONDITION TO AVOID:**  
                  **STABLE ( X )**                      **None**

### **INCOMPATIBILITY** (Materials to Avoid)

Incompatible with strong acids and oxidizers.

### **HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Burning can produce carbon monoxide and/or carbon dioxide.

**HAZARDOUS**                      May Occur ( )      **CONDITIONS TO AVOID:**  
Polymerization                      May Not Occur ( X )      None

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## SECTION VI-HEALTH HAZARD DATA

### **ROUTE(S) OF ENTRY:**

INHALATION: Yes

SKIN: Yes

INGESTION: No

### **Health Hazards (Acute and Chronic)**

Direct contact can cause eye and skin irritation. If swallowed, can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**CARCINOGENICITY:**    NTP                      IARC Monographs?                      OSHA Regulated?  
                                  No                                      No                                      No

**SIGNS AND SYMPTOMS OF EXPOSURE:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**MEDICAL CONDITONS GENERALLY AGGRAVATED BY EXPOSURE:** Pre-existing blood, liver, and/or kidney disorders may be aggravated by overexposure to this product.

### **EMERGENCY AND FIRST AID PROCEDURES:**

SKIN: Wash thoroughly with water. If irritation continues, call a physician.

EYE: Flush with copious amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation continues, call a physician.

INGESTION: If swallowed, promptly call a physician.

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Take up liquid with absorbent material and remove mechanically.

### **WASTE DISPOSAL METHOD:**

Dispose of waste in accordance with Federal, State, and Local ordinances.

### **PRECAUTION TO BE TAKEN IN HANDLING AND STORING:**

Keep container tightly closed, cool, dry and away from sources of ignition. Use and store with adequate ventilaiton.

**OTHER PRECAUTIONS:** All precautions in this MSDS must be observed.

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## SECTION VIII- CONTROL METHODS

### **RESPIRATORY PROTECTION:**

(Specific Type): None required for normal handling.

### **VENTILATION:**

LOCAL EXHAUST:                      Adequate                      SPECIAL:                      None

MECHANICAL (General)                      Adequate                      OTHER:                      None

**PROTECTIVE GLOVES:** Impervious rubber gloves.

**EYE PROTECTION:** Chemical splash goggles.

**OTHER PROTECTIVE EQUIPMENT:** None

**WORK/HYGENIC PRACTICES:** Wash thoroughly after handling.

**We believe all information given is accurate. It is offered in good faith, but without guarantee. Since conditions are beyond our control, user assumes all responsibility and risk.** Page 2 of 2