



5332 Dansher Road  
 Countryside, Illinois 60525

## MATERIAL SAFETY DATA SHEET

Revision Date: 7/2/2012  
 Supersedes Date: 3/9/2011

**MSDS No. N544**

Emergency Phones: 708-579-8100 (NYCO)

800-424-9300 (CHEMTREC)

PLEASE NOTE: This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL and STATE RIGHT-TO-KNOW regulations. Also make this information available to any employee who requests it. It is your obligation to comply with these regulations.

### **SECTION I - PRODUCT IDENTITY**

**PRODUCT NAME: ORANGE-D NATURAL CITRUS CLEANER DEGREASER**

Formula: Mixture, terpene solvent, propylene glycol ether, detergent

Chemical Type: D-limonene, co-solvents and detergent

#### HMIS RATINGS

Health = 1 (Slight)	Flammability = 2 (Moderate)
Reactivity = 0 (Minimal)	Protection = B (Goggles and gloves)

### **SECTION II - HAZARDOUS INGREDIENTS**

	<u>PERCENT</u>	<u>TLV</u>	<u>CARCINOGEN</u> <u>(OSHA,TP,IARC)</u>
Orange Terpenes CAS # 5989-27-5	> 89%	None	No
Dipropylene Glycol Methyl Ether CAS # 34590-94-8	1-5%	100 ppm	No

### **SECTION III - CHEMICAL AND PHYSICAL**

Appearance: Yellow Liquid	Boiling Point: est 340 °F.
Odor: Citrus	Melting Point: N/A
pH: N/A (Not An Aqueous System)	Spec. Gravity (H <sub>2</sub> O = 1): 0.857
Water Solubility: Emulsifies	Vapor Pressure (Mm Hg): N/A
Viscosity @ 25°C: < 25 cps (Brookfield)	VOC Content: > 90%

### **SECTION IV - FIRE AND EXPLOSION HAZARDS**

Flash Point (Method): 121°F. TCC	Explosion Limits: Upper: 7 Lower: 1
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Extinguishing Media: Water fog, CO<sub>2</sub>, halon system, foam for alcohols  
 Special Firefighting Procedures and Hazards: Treat as a combustible liquid fire. May be ignited by heat, sparks, flame or other sources of ignition. Minimize prolonged skin and eye contact. Wear breathing, skin and eye protection if exposure is likely.

### **SECTION V - REACTIVITY INFORMATION**

Stable: <input checked="" type="checkbox"/>	Unstable: <input type="checkbox"/>
<b>Precautions:</b>	
Incompatibility: Oxidizing agents.	
Hazardous Decomposition Products: If in a fire: CO, CO <sub>2</sub> , hydrocarbons.	
Hazardous Polymerization: Occurs: <input type="checkbox"/>	Does Not Occur: <input checked="" type="checkbox"/>

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## SECTION VI - HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

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**Inhalation:** Breathing of mists or vapor causes irritation. Wear approved organic mist respirator if necessary. Provide ventilation in confined spaces. Remove to fresh air. Give artificial respiration or oxygen if needed.

**Skin:** Extended contact may cause irritation and defatting. Wear protective gloves. Flush skin thoroughly with water for 15 minutes. Remove contaminated clothing and wash before wearing again.

**Eyes:** May cause irritation from misting. Flush with water for 15 minutes. If irritation persists consult a doctor.

**Ingestion:** May cause mild gastric disturbances or nausea. Avoid swallowing. Drink lots of water or milk. Do not induce vomiting. If irritation persists get medical attention.

Most likely routes of entry: Skin, Eyes.

Other Important Medical or Precautionary Information: None

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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Spills and Leaks: Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Do not drain to sewer without dilution. Larger spills should be contained by diking or other methods and held for disposal or reuse.

Storage and Handling: Keep away from heat, sparks and open flames. Check daily for any container leaks.

Waste Disposal: May be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility for handling and disposal. Observe label precautions.

Empty Containers: Rinse well before handling and disposal. Observe label precautions.

Other Precautions: N/A

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## SECTION VIII - REGULATORY INFORMATION

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Reportable for SARA Title III, S.313 (Form R): None

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