

# MATERIAL SAFETY DATA SHEET

(Prepared According To 29 CFR 1910.1200)

Effective Date - 02-27-97

## SECTION 1 - PRODUCT IDENTIFICATION

<b>Product Name:</b> CITRUS 50 SOLVENT DEGREASER	<b>Chemical Family:</b> SOLVENT CLEANER
<b>Supplier's Name:</b> UNISOURCE WORLDWIDE, INC.	<b>Proper Shipping Name:</b> COMPOUND, CLEANING
<b>Supplier's Address:</b> POST OFFICE BOX 958 VALLEY FORGE, PA. 19482	

## SECTION 2 - INGREDIENTS

CHEMICAL NAME	OSHA/PEL	ACGIH/TLV	CAS NO.
D'LIMONENE	N.E.	N.E.	5989-27-5

## SECTION 3 - PHYSICAL DATA

**Specific Gravity:** .91  
**Solubility in Water:** EMULSIFIES  
**Physical Description:** CLEAR ORANGE LIQUID  
**Odor:** ORANGE  
**Boiling Point:** > 212 F

## SECTION 4 - FIRE AND EXPLOSION DATA

**Flash Point (Method Used):** 168 F TOC  
**Extinguishing Media:** AS REQUIRED BY SURROUNDING FIRE  
**Special Fire Fighting Procedures:** WEAR SELF-CONTAINED FULL-FACE BREATHING APPARATUS. DRUMS MAY BUILD PRESSURE AND RUPTURE UNDER EXTREME HEAT.  
**Unusual Fire and Explosion Hazards:** CONCENTRATED VAPORS CAN BE IGNITED BY EXTREME HEAT OR ANY IGNITION SOURCE. DO NOT WELD ON OR NEAR DRUM.

## SECTION 5 - REACTIVITY DATA

**Stability:** STABLE  
**Conditions to Avoid:** EXTREME TEMPERATURES  
**Polymerization:** WILL NOT OCCUR  
**Conditions to Avoid:** NONE  
**Incompatibility (Materials to Avoid):** ACIDIC AGENTS INCLUDING CLAYS  
**Hazardous Decomposition Products:** CO, CO2

## SECTION 6 - STORAGE AND HANDLING INFORMATION

**Precautions to be Taken in Handling and Storage:**  
STORE IN COOL PLACE AWAY FROM ALL IGNITION SOURCES  
KEEP CONTAINER CLOSED WHEN NOT IN USE

## SECTION 7 - HEALTH HAZARDS AND FIRST AID

**Effects of Overexposure:**  
CAN CAUSE SLIGHT TO MODERATE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. CAN CAUSE NAUSEA, VOMITING, AND DIARRHEA IF SWALLOWED. OVEREXPOSURE BY INHALATION MAY CAUSE DIZZINESS, HEADACHE, NAUSEA, AND EVEN LOSS OF CONSCIOUSNESS.

**Other Precautions:**  
COMBUSTIBLE MIXTURE

**Carcinogenicity:**  
NTP: NO  
IARC: NO  
OSHA: NO

### First Aid Procedures

**Skin:**  
REMOVE CONTAMINATED CLOTHING AND WASH WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Eyes:**  
FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES LIFTING THE EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION.

**Inhalation:**  
MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

**Ingestion:**  
GIVE LARGE AMOUNTS OF WATER THEN SEVERAL GLASSES OF MILK. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

## SECTION 8 - PERSONAL PROTECTION INFORMATION

**Respiratory Protection:** ORGANIC VAPOR RESPIRATOR IN POORLY VENTILATED AREAS.

**Ventilation:** GENERAL EXHAUST

**Protective Gloves:** NEOPRENE GLOVES

**Eye Protection:** SAFETY GLASSES

**Other Protective Equipment:** WASH HANDS THOROUGHLY AFTER USE. KEEP OUT OF REACH OF CHILDREN.

## SECTION 9 - SPILL OR LEAK PROCEDURES

**Steps to be Taken in Case Material is Released or Spilled:**  
ELIMINATE ALL IGNITION SOURCES. CONTAIN SPILLS AND PUMP TO RECOVER. DO NOT USE CLAY-TYPE ABSORBENT MATERIALS.

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

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Disclaimer: Unisource Worldwide, Inc. and the manufacturer believe that the information contained on this Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of 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.