



**MATERIAL SAFETY DATA SHEET**

*Corresponds to ANSI Z400.1-2004*

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

**ULANO CORPORATION  
110 Third Avenue  
Brooklyn, New York, 11217**

**Company Telephone Number: (800) 237-4700  
Emergency Telephone Number: (703) 527-3887**

Product Name: ULANO® CITRUS SCREEN OPENER

Revision Date: August 11, 2006  
Supersedes Date:

**Section 2: HAZARDS IDENTIFICATION:**

**EMERGENCY OVERVIEW**

Appearance / Odor: COLORLESS LIQUID / LIGHT ESTER ODOR

**CAUTION:**

**COMBUSTABLE LIQUID**

Potential Health Hazards: See Section 11 for more information

Likely Routes of Exposure: Eye contact, skin contact, ingestion, inhalation

EYE: Can cause eye irritation.

SKIN: Can cause skin irritation.

INGESTION: In case of ingestion, drink plenty of water. Do not induce vomiting.

INHALATION: Remove to fresh air

Medical Conditions Aggravated By Exposure: May cause skin irritation in people with pre-existing conditions.

Target Organs: Possible eye and skin irritant

This product does not contain any known carcinogens or potential carcinogens as listed by OSHA, NTP or IARC.

This material is not known to be considered hazardous by the OSHA Communications Standard (29 CFR 1910.1200).

Potential Environmental Effects: None known. See Section 12 for more information.

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>COMPONENT</b>	<b>CAS#</b>	<b>% By WEIGHT</b>	<b>HAZARD TYPE</b>
NAPHTHA SOLVENT	64742-95-6	30-50%	NONE KNOWN
PROPYL SERIES GLYCOL ETHER	1569-01-3	10-30%	NONE KNOWN
METHOXYPROPANOL ACETATE	108-65-6	20-40%	NONE KNOWN

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### **Section 4: FIRST AID MEASURES**

**EYE EXPOSURE:** Flush with large amounts of water for at least 15 minutes including under eyelids. Consult a physician.

**SKIN EXPOSURE:** Wash thoroughly with soap and water, if irritation results, consult a physician.

**INGESTION:** Never give anything by mouth to an unconscious person. If swallowed, **DO NOT INDUCE VOMITING!** Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. **GET MEDICAL ATTENTION IMMEDIATELY.**

Note to Physicians: Treat as an eye and skin irritant and an organic solvent.

### **Section 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or foam.

**Unsuitable Extinguishing Media:** Heavy stream of water

**Products of Combustion:** Carbon monoxide / dioxide and various hydrocarbons.

**Protection of Firefighters:** Wear self-contained respiratory device and full protective suit.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use personal protection recommended in Section 8.

**Environmental Precautions:** Do not allow large quantities of undiluted product to reach ground water, water course or sewage system.

**Methods of Containment:** Dike and absorb large quantities of spilled product in suitable media.

**Methods for Clean-up:** Absorb large quantities of spilled material in suitable media. Place in a closed container and dispose according to local, state and federal regulations. Material should not be combined with household waste. Do not allow product to reach sewage system.

**Other Information:** Spills of normal usage quantities of this material need not be reported to the National Response Center.

### **Section 7: HANDLING AND STORAGE**

**Handling**

Protect exposed skin from contact with material. Avoid eye contact.

**Storage**

Store in a cool, dry area in tightly closed receptacles.



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### **Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

#### Exposure Guidelines

Naphtha Solvent – None Known to be Established

Propyl Series Glycol Ether – None Known to be Established

Methoxypropanol Acetate – None Known to be Established

Engineering Controls: Local ventilation recommended

Eye/Face Protection: NIOSH approved safety glasses or goggles recommended during handling.

Skin Protection: Wear protective gloves made of material impermeable and resistant to the product.  
Wear protective apron.

Respiratory Protection: Not required.

General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking. Have eye-wash facilities immediately available.

### **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Color: Colorless Liquid

Flammability (solid, gas): Not applicable

Odor: Light Ester Odor

Upper Flammability Limit: 1.9%

Odor Threshold: Not available

Lower Flammability Limit: 12.0%

Physical State: Liquid

Vapor Pressure: 2 mm Hg

pH: Unknown

Vapor Density: Unknown

Freezing Point: Unknown

Specific Gravity: 0.908g/cm<sup>3</sup> @ 25°C

Boiling Point: 250-330°F

Partition Coefficient (n-octanol/water): Insoluble in Water

Flash Point: 105°F (42°C)

Auto-ignition Temperature: Unknown

Evaporation Rate: Not available

Percent Volatile, wgt %: Not available

Volatile Organic Compound (VOC) content, wgt %: 7.56 Pounds/Gallon, 908 Grams/Liter

### **Section 10: STABILITY AND REACTIVITY**

Stability: Stable

Conditions to Avoid: Avoid contact with strong oxidizing agents and strong acids and alkalis.

Incompatible Material: Do not store together with oxidizing and acidic materials.

Hazardous Decomposition Products: Combustion products can include CO<sub>2</sub>, CO and hydrocarbons

Possibility of Hazardous Reactions: Keep away from ignition sources.

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### **Section 11: TOXICOLOGY INFORMATION**

ACUTE EFFECTS: Eye, skin and mucous membrane irritation

Inhalation: Avoid breathing vapors.

Eye irritation: Can cause eye irritation. If irritation occurs, consult a physician.

Skin irritation: Can cause skin irritation. If irritation persists, consult a physician.

Sensitization: Can cause skin irritation.

CRONIC EFFECTS:

Carcinogenicity: No listing of carcinogenic effects from the product or components.

Mutagenicity: No data available for product or components.

Reproductive Effects: No data available for product or components.

Developmental Effects: No data available for product or components.

### **Section 12: ECOLOGICAL INFORMATION**

Ecotoxicity: No known aquatic toxicity.

Persistence/Degradability: Degradation is expected under aerobic and anaerobic conditions.

Bioaccumulation/Accumulation: No appreciable bioconcentration is expected in the environment.

Mobility in Environment: No environmental mobility is known or anticipated for this product.

### **Section 13: DISPOSAL CONSIDERATIONS**

Disposal: This product is not classified as a hazardous waste. Dispose of in accordance with federal, state and local regulations.

### **Section 14: TRANSPORTATION INFORMATION**

US DOT (ground):

Not Regulated

CANADIAN TDG (ground): See US DOT

ICAO (air):

Flammable liquid, NOS, (contains, Naphtha Solvent, Methoxypropanol Acetate)

Hazard Class 3

UN1993

PGIII

Hazard Label 3

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IMDG (Maritime): See ICAO (AIR)

EMS Number: F-E, S-E

Marine Pollutant: No

### **Section 15: REGULATORY INFORMATION**

Global Inventories

TSCA: United States: Product components included

DSL: Canada: Product components included

SARA 313 Information: This product does not contain SARA Title III, Section 313 Reportable Material

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

WHIMS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR

### **Section 16: OTHER INFORMATION**

HMIS: Hazardous Materials Identification System

Health- 1    Fire- 2    Physical Hazard- 0    Personal Protection- B

0= minimal hazard, 4= high hazard, Personal Protection = Safety Glasses, Gloves, Apron

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