# Safety Data Sheet

Monopole, Inc.

**Product Name:** CITRUS CLEAN **Issue Date:** August 2022

Monopole Inc. encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

## SECTION 1: Product and Company Identification

**Product Name**: CITRUS CLEAN **Product Code**: 9700

**COMPANY IDENTIFICATION**
Monopole, Inc.
4661 Alger Street
Los Angeles, CA 90039
Tel: (818) 500-8585
Fax: (818) 502-0818

**EMERGENCY TELEPHONE NUMBERS:**
Health emergency ..... : (818) 500 - 8585
Poison center..... : (800) 222 - 1222
Chemtrec..... : (800) 424 - 9300

## SECTION 2: Hazard Identification

**GHS Classification:**

| | |
|---|---|
| Acute Toxicity (oral) | Category 4 |
| Acute Toxicity (inhalation) | Category 4 |
| Flammable: | Category 3 |
| Skin Irritant: | Category 2 |
| CNS Toxicity | Category 3 |
| Organ Toxicity: | Category 3 |

**GHS Label Element:**
Hazardous Pictogram

**Hazard Classification**
This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**Hazards Statements**
May cause and allergic skin reaction
Flammable Liquid
May be fatal if swallowed
May cause drowsiness or dizziness
Causes skin irritation
Causes series eye damage

**Precautionary Statements**
Prevention-
Avoid breathing dust/fume/gas/mist/vapors/spray.
Keep away from heat/sparks/open flames/hot surfaces. No Smoking
Keep container tightly closed
Use explosion-proof electrical/ventilating/lighting equipment
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Use only outdoors or in a well-ventilated area.
Do no eat, drink or smoke when using this product.
Wear suitable protective clothing, gloves and eye/face protection.
Wear full face shield if splashing hazard exists.

Response-
If Swallowed: Immediately call a poison center or doctor. Do not induce vomiting.
If on Skin: Rinse skin with water/shower. Immediately remove all contaminated clothing. If skin irritation or rash occurs get medical attention.
If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.
In case of Fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Store in well ventilated place. Keep cool. Store locked up.
Dispose of contents/container to an approved waste disposal plant.

## SECTION 3: Composition/Information on Ingredients

| Hazardous Components | % (by weight) | CAS# | Classification |
|---|---|---|---|
| Limonene | > 25 | 5989-27-5 | Flammable: Category 3<br>Skin Irritant: Category 2<br>Aspiration Hazard: Category 1 |
| Nonylphenol Polyethylene Glycol Ether | 30 | 127087-87-0 | Oral & Inhalation Toxicity: Category 3 |
| Methoxy-Propanol | 1-2 | 1589-47-5 | Organ Toxicity: Category 3 |
| Glycol Ether PM | 10-20 | 107-98-2 | Flammable: Category 3 |

## SECTION 4: First Aid Measures

**General**: Move out of dangerous area. Consult a physician. Show this Safety Data Sheet to the doctor in attendance. Do not leave the victim unattended.

**Inhalation:** If symptoms develop, immediately move person away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If victim is not breathing, give artificial respiration. If victim's breathing is difficult, give oxygen. Call a physician.

**Skin Contact:** Wash exposed skin with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If symptoms persist, seek medical attention.

**Eye Contact:** Small amounts splashed into the eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Take victim immediately to hospital.

**Ingestion:** Keep respiratory tract clear. Do NOT induce vomiting. Seek medical attention.

**Most important symptoms and effects, both acute and delayed:**
Allergic reactions
Irritant to skin and mucous membranes.
Dizziness
Breathing difficulty
Gastric or intestinal disorders

**Danger**:
May be fatal if swallowed and enters airways
Danger of impaired breathing.
Repeated exposure may cause skin dryness or cracking.

**Indication of any immediate medical attention and special treatment needed:**
If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger or entering the lungs.
If necessary, oxygen respiration treatment.
Later observation for pneumonia and pulmonary edema.
Contains d-limonene. May product an allergic reaction.
Treat skin and mucous membrane with antihistamine and corticoid preparations.

## SECTION 5: Fire Fighting Measures

**Suitable Extinguishing Media:** Sand, carbon dioxide (CO2), dry chemical, alcohol-resistant foam, water spray.

**Unsuitable Extinguishing Media:** High volume water jet.

**Hazardous Combustion Products:** Toxic fumes, carbon monoxide, carbon dioxide, nitrogen oxides (NOx), smoke.

**Specific Hazards During Firefighting:** Do not allow run-off from fire fighting to enter drains or water courses. Formation of toxic gases is possible during heating or in case of fire.

**Further Information:** Collect contaminated fire extinguishing water separately. This must NOT be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers. Eliminate all ignition sources if safe to do so.

**Special Protective Equipment for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing. If protective equipment is not available, fight fire from a protected location or safe distance.

## SECTION 6: Accidental Release Measures

**Personal Precautions:** Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental Precautions:** Prevent product from entering drain entering sewers, waterways, or low areas. Dispose of properly. If run-off occurs, notify proper authorities as required.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations Collect in suitable and properly labeled containers.

## SECTION 7: Handling and Storage

Advice on protection against fire and explosion: Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling: Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Storage: Store temperatures: 44°F - 90°F
Keep from freezing – product stability may be affected. Stir well before use.Keep container tightly closed. Do not store or consume food, drink, or tobacco in areas where they may become contaminted with this material. Electrical installations / working materials mustr comply with the technological saftey standards.

## SECTION 8: Exposure Controls and Personal Protection

**Control Parameters**

| | | | |
|---|---|---|---|
| Propylene glycol | 25322-68-3 | TWA | 110 ppm |

| CAS-No. | Components | Value type (Form of exposure) | Control parame-ters / Permissible concentration | Basis |
|---|---|---|---|---|
| 107-98-2 | Glycol ether PM | TWA | 50 ppm | ACGIH |
| | | STEL | 100 ppm | ACGIH |
| | | ST | 150 ppm<br>540 mg/m3 | NIOSH REL |
| | | TWA | 100 ppm<br>360 mg/m3 | NIOSH REL |
| | | TWA | 100 ppm<br>360 mg/m3 | OSHA P0 |
| | | STEL | 150 ppm<br>540 mg/m3 | OSHA P0 |

**Engineering Controls**

Use only with adequate ventilation. Use local exhaust ventiliation, or other engineering controls to maintain airborne levels below exposure limit requirments.

Respiratory protection: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. In the case of vapour formation use a respirator with an approved filt

**Exposure Guidelines**

PERSONAL PROTECTION – Routine Handeling

The following recommendations provide general guidance for handling this product. Personal prtective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimatly the responsibility of the mployer to follow regulatiory guidelines established by local authorities.

**Eye/Face Protection:** Use safety glasses (with side shields). Eye wash bottle with pure water

**Hand Protection:** The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

**Respirator Protection:** Wear appropriate NIOSH approved respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that the limits are within recommended exposure guidelines.

**Protective Measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

**Protective Clothing / Skin Contact:** Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, jacket and boots. Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing immediately and toroughly flush affected areas with cool water. Chemical protective gloves are recommended

## SECTION 9: Physical and Chemical Properties

**Appearance and Odor**: Clear, Citrus
**pH:** 5.5 - 6.5
**Boiling Point:** 120ºC (248 ºF)
**Flash Point:** 31ºC (88ºF)
**Evaporation Rate**: < 1
**Vapor Pressure**: 11 mmHg
**Vapor Density**: > 1 (Air = 1.0)
**Solubility in Water:** Complete
**$VOC_{IC}$:** 975 g/L
**Specific Gravity:** 0.984 g/cm³ (8.2 lb/gal)
**Viscosity:** 55 kus

## SECTION 10: Stability and Reactivity

**Reactivity:** Stable and non-reactive under normal conditions of use.

**Chemical Stability:** Stable at normal temperatures and storage conditions.

**Materials to Avoid (Incompatibility):** Avoid strong acids, strong bases, strong oxidizing agents.

**Conditions to Avoid:** Freezing temperatures, excessive heat, open flame, sparks, prolonged storage at elevated temperatures.

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Carbon oxides.

## SECTION 11: Toxicological Information

**Acute Toxicity**

**Acute Oral Toxicity**
Acute toxicity estimate: 4,000 mg/kg Rat
Moderate to severe toxicity of swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury or fatality.

**Acute Dermal Toxicity**
Prolonged skin contact is unlikely to result in absorption of harmful amounts.

**Acute Inhalation Toxicity**
Moderately toxic after single ingestion.

**Skin Corrosion/Irritation**

Prolonged and repeated contact may cause slight skin irritation with local redness.

**Serious Eye Damage/Eye Irritation**

Serious eye damage/eye irritation.

**Specific Target Organ Systematic Toxicity**

May cause drowsiness or dizziness through inhalation.

**Carcinogenicity**

Not classified as a human carcinogen.

**Reproductivity Toxicity**

Clear evidence of adverse effects on development, based on rabbit animal experiments.

## SECTION 12: Ecological Information

**Bioaccumulative potential**: No relevant information available.

**Mobility in soil:** No relevant information available.

**Aquatic toxicity:** Very toxic to aquatic life with long lasting effects.

## SECTION 13: Disposal Considerations

**Environmental Precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal Regulations. Regulations may vary in different locations. DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

**Contaminated Packaging:** Empty remaining contents; dispose of as unused product. Do not re-use empty containers. Do not burn containers.

MONOPOLE, INC. HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION 3: HAZARDOUS INGREDIENTS.

## SECTION 14: Regulatory Information

**DOT Non-Bulk Proper Shipping Name**: Environmentally Hazardous Substance. Marine Pollutant
UN Number: UN3082
Hazard Class: 9, Packaging Group III

Marine Pollutant is only required for bulk single package shipments. Bulk packaging consists of a maximum capacity of greater than 119 gallons.

**STATE REGULATIONS: CALIFORNIA** - None.

**CALIFORNIA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):** This product can expose you to chemicals including 1,4-Dioxane, Ethylene oxide, which is/are known to the State of California to cause cancer, and ethylene oxide, which is/are known to the Sate of California to cause birth defects or other reproductive harm.

**Hazardous Air Pollutants - Section 112 (b) of the Clean Air Act**

Ethylene Oxide is listed as a Hazardous Air Pollutant under Section 112 (b)

**SARA 311/312 Hazards**: Skin corrosion or irritation; Serious Eye Damage; Acute toxicity, Fire Hazard
**SARA 302:** Substances not listed.
**SARA 302:** Substances not listed.
**TSCA**: Substances listed.

**HAZARD RATING SYSTEM**

| **NFPA,** | Toxicity | Flammability | Reactivity | Health |
|---|---|---|---|---|
| **NPCA-HMIS** | 0 | 2 | 1 | 2 |

**USER'S RESPONSIBILITY:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions, in addition to those described herein, are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

**DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability or completeness of the information. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Monopole Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.