

Material Safety Data Sheet
CitruClean
Formula 23 - A 100% Organic Blend



NFPA / HMIS Rating

0 = Minimal Hazard
4 = Severe Hazard
B = Personal Protection / Safety Glasses & Gloves

Toxicity - 1
Flammability - 2
Reactivity - 0
Personal Protection - B

1. PRODUCT & COMPANY IDENTIFICATION

Product NameEcologix CitruClean
Chemical UseIndustrial Strength Cleaner
Chemical FamilyMixture / Blend

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Decomposition Products</u>	<u>CAS #</u>
Carbon Dioxide, Carbon Monoxide	97-64-3

3. HAZARDOUS IDENTIFICATION

Emergency Overview

A clear colorless to slightly yellow solution which poses little or no immediate hazard. NFPA flammability rating of two.

Potential Health Effect

Eye ContactMay cause irritation and burning.
Skin ContactProlonged or repeated exposure may cause irritation.
InhalationProlonged or repeated exposure may cause irritation.
IngestionHazardous, seek medical attention immediately.
NTPNo ingredients are listed
IARCNo ingredients are listed
OSHANo ingredients are listed
Chronic Effects.....Not Determined, none identified.
Accute Toxicological Properties.....May cause severe irritation of the eyes.
Signs & Symptoms.....Eye and skin irritation (redness / swelling)

4. FIRST AID MEASURES

Eye ContactImmediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists or develops.

Skin Contact.....Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

Inhalation.....If exposed to excessive levels of fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.

Ingestion.....Do not induce vomiting. Drink one or two glasses of water and get medical attention immediately.

5. FIRE FIGHTING MEASURES

**Flash Point.....127°F, ASTM D93
Flammable Limits @ 212°F ...No Data**

Extinguishing MediaUse water, foam or CO₂

Fire Fighting Instructions.....As with any fire, wear sealed contained breathing apparatus, Pressure demand MSHA / NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 – Personal Protection. Absorb spill with inert material (e.g. dry sand or earth), then place in chemical waste container.

7. HANDLING & STORAGE

HandlingAvoid contact with eyes, skin, and clothing. Use in well ventilated area.

StorageStore in cool place in original container and keep away from Direct sunlight. Keep container closed when not in use.

Shelf-LifeOne to two years normally.

Storage Temperature5 - 43°C (41 - 110°F)

Maintenance Personnel.....Wash down vessels. Check the oxygen and combustible vapor content of the vessel atmosphere. Use appropriate protective equipment.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering ControlGood general ventilation should be sufficient to control airborne levels.
Respiratory ProtectionFor most situations no respiratory protection is necessary With good ventilation.
Skin ProtectionWear chemical resistant gloves.
Eye ProtectionWear safety-goggles with side shields (or goggles). Contact lenses should not be worn.

General Hygiene

ConsiderationsThere are no known health hazards associated with this Product when used as recommended. The following general Hygiene considerations are recognized as common, good Industrial hygiene practices.

- Ø Wash hands after use and before eating.
- Ø Avoid breathing vapors
- Ø Wear safety glasses and gloves

Exposure limitsNot established for product as whole

Ingredients	CAS#	ACGIH
-------------	------	-------

None established for individual components.

9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceClear to slightly yellow liquid.
OdorMild orange aroma.
Boiling Point292°F
Melting Point.....N/A
Solubility in water50%
Specific Gravity (water=1)0.921

10. STABILITY AND REACTIVITY

StabilityStable.
pH (of water dispersion)7.3, 10% of solution.
Viscosity SUS at 100°FN/A
Decomposition ProductsNone determined.

11. TOXICOLOGICAL INFORMATION

Eye.....Not determined.
Skin.....Not determined.
OralNot determined.

12. DISPOSAL CONSIDERATIONS

Ecologix CitruClean is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local authorities regarding the proper disposal of this material.

Procedures for Clean-up.....Take up with sand or other non-combustible material and place into container for later disposal. Wash areas with soap and water.
Dispose of in accordance with all applicable Federal, State and local Regulations. Spent product may be offered for fuel blending Incinerations.

Waste Disposal.....Dispose of in accordance with all applicable Federal, State and Local regulations.

(Note: adding chemicals, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate.)

13. TRANSPORTATION INFORMATION

A. USA:

D.O.T. ShippingNot regulated.
Technical Shipping NameLiquid Detergent
D.O.T. LabelNone
D.O.T. PlacardNone
Freight Class PackageClass 55
Product LabelIndustrial Deodorant

B. CANADA:

TDGNot regulated.

C. ENGLAND:

Approved Carriage ListNot regulated.

14. REGULATORY INFORMATION

A. USA:

TSCA StatusAll ingredients listed on TSCA inventory.

SARA TITLE III, 302 / 303 EHSNone.

SARA TITLE III, 304 HS.....None.

SARA TITLE III, 311 / 312None.

SARA TITLE III, 313None.

B. CANADA:

DSL / NDSLAll ingredients are listed.

WHMISNot Classified

C. EC:

EINECSAll ingredients are listed.

15. STATE REGULATORY INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

While Ecologix Environmental Systems, LLC believes the information contained herein to be true and accurate, it has relied on information provided by others. Ecologix makes no warranties, expressed or implied, as to the accuracy of the information contained herein or with respect to the results to be obtained from the use of this product. Ecologix disclaims all liability with respect to the use of this product, including without limitation, liability for injury to the user or third-party persons.

Ecologix Environmental Systems, LLC
Toll Free: 888-326-2020 or 770-993-8292