



## CLEAN REPUBLIC CATHOLYTE DEGREASER SAFETY DATA SHEET

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### Section 1: Product and company identification

Product Identifier Name: Clean Republic Catholyte Degreaser

Distributor: ByoPlanet  
125 Old Monroe Road  
Athens, Georgia 30606  
888-559-6620

Manufacturer: Envriocleanse LLS  
12621 W. Airport Suite 200  
Sugar Land, Texas 77478  
713-234-7134

### Section 2: Hazards identification

**Per GHS guideline, The solution is classified as non dangerous.**

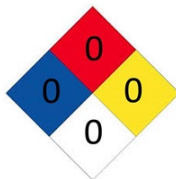
**Hazards:** Catholyte in its strongest form may cause slight irritation of throat.

**Health effects Eyes:** Catholyte in its strongest form may cause slight irritation to the eyes.

**Health effects Skin:** Catholyte in its strongest form may cause irritation to the skin or open wounds.

**Health effects Ingestion:** Swallowing of the solution in its strongest form may cause slight irritation to the throat and digestive tract.

**Health effects Inhalation:** During generation of the solution, particularly its strong form, unless there is adequate ventilation, there may be a build up of fumes which may cause dizziness and nausea.



### Section 3: Composition and information on the ingredients

Ingredients are being withheld as a trade secret. The solution contains no compounds as per the regulations for toxic compounds.

#### **Section 4: First aid Measures**

**Eye contact:** Where irritation occurs flush with cool fresh water

**Skin Contact:** Where irritation occurs wash the skin wash with soap and warm water

**Ingestion:** Drink cool fresh water to flush through and dilute

**Inhalation:** Remove at once to fresh air if dizziness and nausea persist seek medical attention

#### **Section 5: Fire Fighting Measures**

There are no special requirements for Catholyte. It is not flammable.

#### **Section 6: Accidental Release Measures Personal precautions:**

None.

**Environmental precautions:** The solution is biodegradable and has a limited activation period so there are no potential risks to the environment.

**Spillage:** Wipe up with disposable towels. There are no special disposal instructions.

#### **Section 7: Handling and Storage**

**Handling:** In the area where the solution is being produced there must be good ventilation. Preferably local exhaust ventilation. For those with very sensitive skin it may be advisable to wear gloves.

**Storage:** Store in a cool dry ventilated area in sealed plastic containers and ensure the solution is correctly labeled. Shelf life is up to 12 months.

#### **Section 8: Personal Protection and Exposure Control**

**Engineering control procedures:** Catholyte generated on site requires engineering solutions to prevent the accumulation of fumes particularly when a production facility has inadequate ventilation. Mechanical fume extraction may be advised in this situation. Documented process, safety controls and PPE where necessary, gloves, mask etc.

**Respiratory Protection:** Processing/Production areas which have inadequate ventilation pose a risk. In these situations a respirator should be worn.

**Hand protection:** Protective gloves should be worn if service personnel have sensitive skin. The strongest solution of Catholyte may cause irritation.

**Eye and Facial protection:** In casings where splashing can occur, personnel should wear eye protection.

**Body protection:** None required. Employee may elect to wear protective clothing to avoid skin exposure when handling neat strong solution.

#### **Section 9: Chemical and Physical Properties**

**Physical state:** Liquid

**Color and Appearance:** Clear, transparent liquid (like water)

**Odor:** Slight Chlorine smell varying with the strength of the solution

**Solubility in water:** Completely soluble

**PH-values:** 10-13

**Melting-point:** 0°C

**Boiling-point:** 100°C

**Fire-focus:** N/A

**Flammability:** None

**Explosive:** N/A

**Density:** app. 1,000 kg.m<sup>3</sup>

**Steam-pressure:** app. 2,330 Pa

#### **Section 10: Stability and Reactivity**

**Stability:** Stable under all normal storage conditions.

**Materials to avoid:** Noncorrosive on metals (relates to very low active concentration NaOH, less than 0.07%)

Hazardous decomposition products: None

### **Section 11: Toxicological Information Acute toxicity:**

Not toxic

**Irritant-Eyes:** Data for related material suggests this could produce conjunctivitis irritation

**Irritant-Skin:** Data for related material suggests this may cause skin irritation

**Reproductive and developmental:** None known

**Chronic toxicity/Carcinogens:** None

**Human Data:** Extended Inhalation may cause respiratory irritation

### **Section 12: Environmental Information**

**Eco toxicity:** None

**Degradability and Persistence:** Fully Biodegradable

**Bio-accumulation:** None

**Mobility:** None

### **Section 13: Disposal Procedures**

There are no special disposal procedures.

### **Section 14: Transport procedures**

Not classified as hazardous for transport

### **Section 15: Regulatory Information**

Not listed

### **Section 16: Other Information - uses and applications**

Catholyte: Primarily used as a mild surfactant cleaner and degreaser (as both a finished, ready-to-use product and/or as a raw material or additive) for use in the manufacture of industrial and consumer products within healthcare, food services, janitorial services, the oil and gas industry, water reclamation, car wash, livestock and poultry industries, and for use in cruise line and marine exhaust scrubber effluent treatments. It is also an effective hard and soft surface cleaning agent in childcare centers and schools, gyms, vehicles, nursing homes, hospitals and medical clinics, laboratories, voting booths, and buses and trains. Catholyte can also be used as a ready-to-use mild cleaner & degreaser or as a raw material for use in the manufacture of consumer products for use in the home (such as a laundry detergent); and as a surfactant for increasing the pH level in produced well waters.

The information contained in this document is based on data considered to be accurate at the time of publication and is given free of charge. It is representative of typical product but batches may exhibit minor variations.

NO warranty is expressed or implied concerning the accuracy of this data.

In case of doubt or for clarification Clean Republic Inc should be consulted. Clean Republic Inc is unable to anticipate all conditions under which the product may be used, and users are advised to carry out an assessment of workplace risk and carry out their own tests to determine Safety and Suitability for the process and conditions of use.