



ROJAN CONCENTRATED ACIDIC RESTROOM CLEANER

LIME

Rojan Concentrated Acidic Restroom Cleaner is ideal for the daily cleaning and disinfecting of office, industrial, hospital, public and personal restrooms. It is safe for use on ceramic, porcelain and vinyl, stainless steel and chrome fixtures. It safely and effectively removes limescale, soap scum and dirt while sanitizing bathroom surfaces. This product deodorizes and leaves behind the clean, fresh scent of lime.

DIRECTIONS FOR USE:

Use Gloves. Ensure area is well-ventilated.

For general cleaning of restroom floors, urinals, shower stalls, tubs and tiles; dilute 100 mls in 4 litres of water. Apply to floors generously using a mop. Apply to hard, non-porous surfaces using sponge or cloth.

For areas where heavy mineral build up has occurred, apply to surface and allow to penetrate for at least five mins followed by agitation.

SPECIFICATIONS

| | |
|--------------------------|-----------------------------|
| pH..... | 1.0 – 2.0 |
| Clarity..... | Clear, blue solution |
| Odour..... | Citrus |
| Solubility in water..... | Complete |
| Storage Stability..... | Excellent (at least 1 year) |

Packaging
4L, 18L, 208L

SAFETY DATA SHEET

SECTION I – PRODUCT NAME AND MANUFACTURER

Trade Name: **ROJAN ACIDIC RESTROOM CLEANER**

Recommended use: Hard surface cleaner for bathrooms and restrooms.

Manufacturer Name and Address:

Langston Roach Industries Limited
 106 Saddle Road, San Juan, Trinidad, W.I.
 Tel: 1-868-674-0216 Fax: 1-868-675-3654

Distributed by:

Rojan Marketing Limited
 19A El Socorro Rd, Extension #1, San Juan, Trinidad, W.I.
 Tel: 1-868-612-4756 Fax: 1-868-638-6294

SECTION II – DESCRIPTION OF HAZARDS

General: Corrosive
Inhalation: Inhalation of mist at low concentrations may cause irritation and burning of throat. High levels may cause ulceration of nose/throat, bronchitis and headache.
Skin: Causes severe burns.
Eyes: Causes serious eye damage
Ingestion: Harmful if swallowed



SECTION III – COMPOSITION

| Ingredient | CAS# | Parts (%)* |
|---|------------|------------|
| Water | 7732-18-5 | 80-100 |
| Urea Hydrochloride | 506-89-8 | 10-30 |
| Citric Acid | 77-92-9 | 1-5 |
| Glycol ether EB | 111-76-2 | 1-5 |
| t-Octylphenoxy polyoxyethanol | 9002-93-1 | 1-5 |
| Primary alcohol ethoxylates | 66455-14-9 | 1-5 |
| Amines, tallow alkyl ethoxylated | 6791-26-2 | 0.1-1 |
| Amines, N-tallow alkyltrimethylene, di-ethoxylated | 61790-85-0 | 0.1-1 |
| Quaternary ammonium compounds; benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | 0.1-1 |
| Tetrasodium EDTA, tetrahydrate | 13236-36-4 | 0.1-1 |
| Fragrance | | 1-5 |

*Exact composition withheld as a Trade Secret

SECTION IV – FIRST AID MEASURES

General: Flush with generous amounts of water.
Ingestion: If person is conscious, give large amounts of water or milk to drink. Do not induce vomiting
Skin: Flush with copious amounts of water and wash with soap. Remove contaminated shoes and clothing. Seek medical attention.
Eyes: Immediately flush with copious amounts of water for at least 15 minutes. Seek medical attention.

SECTION V – FIRE-FIGHTING MEASURES

Flammability: No
Hazardous decomposition products: Carbon dioxide, carbon monoxide along with other toxic gases. May evolve flammable hydrogen gas if in contact with reactive metals. Heating above 110°C results in decomposition with rapid release of carbon dioxide gas.
Extinguisher: N/A

SECTION VI – ACCIDENTAL RELEASE MEASURES

General: Dike and contain with inert material (sand, earth, vermiculite or diatomaceous earth). Collect spill with absorbent material. Thoroughly rinse area with water

Water contamination: Neutralize. Dilute with further amounts of water and discard appropriately.

Contamination of land: Rinse away with large amounts of water.

SECTION VII – HANDLING AND STORAGE

Rules defining care as to use: Wear personal protective equipment. Use in a well-ventilated area. Do not combine with other cleaning agents.

Rules defining care as to storage: Store in closed, properly labelled, tanks or containers. Keep away from children.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Preventive measures protective equipment, etc.: Skin and eye protection is recommended. Good ventilation should be used. Respiratory protection may be needed in poorly ventilated areas. Wash hands thoroughly after handling.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------|----------------------------------|---------------|-----------|
| Appearance: | Blue liquid | pH: | 1.0 – 2.0 |
| Solubility: | Soluble in water, clear solution | Odour: | Citrus |

SECTION X – STABILITY AND REACTIVITY

Stability: Stable under normal conditions, highly acidic.

Avoid: Strong alkaline solutions and oxidizing agents including sodium hypochlorite (bleach). Avoid reactive metals including aluminium and zinc.

SECTION XI – TOXICOLOGICAL INFORMATION

Medical personnel: ROJAN CONCENTRATED ACIDIC RESTROOM CLEANER contains the ingredients listed in (Section II). Corrosive liquid.

Routes of Exposure:

Eyes: Eye irritant. May cause redness, watering.

Skin: Repeated or prolonged contact with skin may cause defatting of skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Seek medical advice if redness, swelling, itching or burning occurs

Ingestion: Ingestion of large quantities may result in mild purgative effects.

Inhalation: High concentration of vapour can irritate respiratory tract.

SECTION XII- ECOLOGICAL INFORMATION

Biodegradability: No data available

Aquatic toxicity (Product): No data available

Aquatic toxicity (Components): Urea hydrochloride: LC50 Test >140 mg/L (96h, Fish)
Amines, tallow alkyl ethoxylated; Amines, *N*-tallow alkyltrimethylene, di-ethoxylated: EC50 Test <1mg/L (48h, Fish)
t-Octylphenoxypolyethoxyethanol: LC50 Test 1-10mg/L (96h, Fish)
Primary alcohol ethoxylates: OECD 202 2.15 mg/L (96h, Fish)
Quaternary ammonium compounds; benzyl-C12-16-alkyldimethyl, chlorides LC50 Test. 0.28 mg/L (96h, Fish)

SECTION XIII – DISPOSAL CONSIDERATION

Disposal Method: Must be disposed of in accordance with Federal, state and local environmental control regulations.

SECTION XIV – TRANSPORTATION INFORMATION

Shipping Name: Corrosive liquid (contains Urea hydrochloride)

Hazard Label: Corrosive

Dot Label: Corrosive

Dot Hazard: Class 8

General: 4L to 208L plastic containers.

UN: 1760

Packing Group: II

SECTION XV – REGULATORY INFORMATION

Labeling of packages:

The product is labeled in accordance with TTBS Standard **TTS 76: Part 15: 2005**

Sara Title III Section 313:

Yes: Toxic Chemical

Section 311 / 312:

Hazard category for SARA Section 311 / 312: H1, P5: reporting H1 = acute health hazard, H2 = chronic health hazard, P = fire hazard, P4 = sudden release of pressure hazard, P5 = reactive hazard

SECTION XVI – OTHER INFORMATION

Updated 17/05/21