# **ROJAN TOILET BOWL CLEANER**



#### Mint

Rojan Toilet Bowl Cleaner is a powerful liquid that quickly removes rust, mineral deposit and hard-water stains from vitreous china and other acid-resistant fixtures such as toilet bowls and urinals. Apart from being an effective toilet bowl cleaner, it also disinfects destroying odour-causing organisms and deodorizes to leave a clean fresh scent.

Rojan Toilet Bowl Cleaner fast penetrating action loosens mineral deposits, scale and other commonly found stains; yet its excellent detergency is safe for use on white and colored bowls. Rojan Toilet Bowl Cleaner can be used for regular maintenance in the bathroom or restroom and is safe to use time and time again since the non-breakable bottle offers maximum protection.

Rojan Toilet Bowl Cleaner is available in a Mint fragrance.

# **DIRECTIONS**

Squirt a generous amount of *Rojan Toilet Bowl Cleaner* on the sides of the bowl and under rim and allow soaking for 10 – 15 minutes. Brush bowl vigorously and then flush. Rinse brush after use.

## **SPECIFICATIONS**

pH......0 - 1
Clarity.......Clear, Colored (blue)
Storage Stability.....Excellent, up to one year
Solubility......Miscible in all parts

Packaging 4L, 18L, 208L



# SAFETY DATA SHEET

#### SECTION I – PRODUCT NAME AND MANUFACTURER

Trade Name: ROJAN TOILET BOWL CLEANER MINT
Recommended use: Cleaning and sanitization of toilet bowls

Manufacturer Name and Address:
Langston Roach Industries Limited

Distributed by:
Rojan Marketing Limited

106 Saddle Road, San Juan, Trinidad, W.I. 19A El Socorro Rd, Extension #1, San Juan, Trinidad, W.I.

Tel: 1-868-674-0216 Fax: 1-868-675-3654 Tel: 1-868-612-4756 Fax: 1-868-638-6294

#### SECTION II - DESCRIPTION OF HAZARDS

General: Highly 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 with deep ulceration.

**Eyes:** Causes severe burns and permanent damage to eyes

Ingestion: Harmful if swallowed



SECTION III - COMPOSITION		
Ingredient	CAS#	Parts (%) *
Water	7732-18-5	80-100
Hydrochloric Acid	7647-01-0	5-10
Amines, tallow alkyl ethoxylated	6791-26-2	0.1-1
Amines, N-tallow alkyltrimethylene, di-ethoxylated	61790-85-0	0.1-1
t-Octylphenoxypolyethoxyethanol	9002-93-1	0.1-1
Primary alcohol ethoxylates	66455-14-9	0.1-1
Quaternary ammonium compounds; benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	0.1-1
Fragrance		0.1-1
		0.1-1

<sup>\*</sup>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 **Extinguisher:** N/A **Hazardous decomposition products:** Halogenated compounds

## 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:**Use in a well-ventilated area. Do not combine with other cleaning agents.

Rules defining care as to storage: Avoid sparks, flame and excessive heat. Keep containers tightly closed. Store in a

cool, well-ventilated place. Store in closed, properly labelled, tanks or containers.

Keep away from children.

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## 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</th>Solubility:Soluble in waterOdour: Acidic

## **SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions, highly acidic.

**Avoid:** Strong alkaline solutions and oxidizing agents including sodium hypochlorite (bleach)

#### **SECTION XI – TOXICOLOGICAL INFORMATION**

Medical personnel: ROJAN TOILET BOWL CLEANER contains the ingredients listed in (Section II). Corrosive liquid.

**Routes of Exposure:** 

**Eyes:** May cause pain, watering and redness

**Skin:** Pain or irritation, redness or blistering may occur

**Ingestion:** May cause burns or blistering of the mouth and throat, stomach pains.

**Inhalation:** Vapour may be corrosive to the respiratory system

#### **SECTION XII- ECOLOGICAL INFORMATION**

Biodegradability: No data available

Aquatic toxicity (Product): No data available

Aquatic toxicity (Components): Hydrochloric acid: LC50 Test 282 mg/L (96h, Fish)

Amines, tallow alkyl ethoxylated; Amines, N-tallow alkiyltrimethylene, 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

ma/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: Hydrochloric Acid Hazard Label: Corrosive Dot Label: Corrosive

**Dot Hazard:** Class: 8 **General:** 4L to 208L plastic containers.

UN: 1789 Packing Group: II

#### SECTION XV - REGULATORY INFORMATION

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**

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