



ECOREV TOILET BOWL CLEANER

SECTION 1: IDENTIFICATION OF THE PRODUCT AND MANUFACTURER

Product Name: Ecorev Toilet Bowl Cleaner

Substance or mixture and uses advised against Identified uses: Descaling Agent, Urinal & Toilet Bowl cleaner

Manufacturer Details: Technico Innovative Products Private Limited
Plot No- 108, Sector-6, IMT Manesar
Gurgaon, Haryana- 122052

Emergency Telephone number: +91 9818816428

SECTION 2: HAZARDS IDENTIFICATION

Label Elements:



Signal word : Warning

Hazard statements:

Causes skin and serious eye irritation.

Toxic to aquatic life with long lasting effects.

Principal routes of exposure: Eye contact, Skin contact.
Eye contact: May be serious irritation to eye.
Skin contact: Cause skin irritation expected under normal use.
Inhalation: None known.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Precautionary statements:

Wear eye or face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Other hazards:

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Ingredient(s)	CAS #	Weight %
Hydrochloric acid	7647-01-0	5 - 20%
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides	8030-78-2	1 - 3%
propane-1,2-diol	57-55-6	1 - 3%
Tri-carboxylic Acid	5949-29-1	1-10%
Acid Thickener	27176-87-0	1-10%

****Exact percentages are being withheld as trade secret information**

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation: Remove from source of exposure. Get medical attention.
Skin contact: Not required under normal use. If irritation develops get medical attention. Rinse with plenty of water.
Eye contact: Wash off immediately with plenty of water. Get medical attention.
Ingestion: Remove material from mouth. Immediately drink 1-2 glasses of water or milk. Get medical attention.

Self-protection of first aider: Consider personal protective equipment as indicated in section 8.

Most important symptoms and effects, both acute and delayed

Inhalation	Causes irritation.
Skin contact	Causes irritation.
Eye contact	Causes irritation.
Ingestion	Causes irritation.
Sensitisation	No known effects.

Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

Special hazards arising from the substance or mixture

No special hazards known.

Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protect.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

Protective equipment and emergency procedures: Wear Gloves.

Environmental precautions: Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

Small Spills: Add inert absorbent, sweep up, and place the material in plastic drums.

Large Spills: Dike to contain and pump into drums approved for disposal. Follow all local, state and federal environmental regulations.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling**Measures to prevent fire and explosions**

No special precautions required.

Advices on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

Eye protection: Chemical-splash goggles.

Hand protection: Chemical-resistant gloves.

Skin and body protection: Protective footwear. Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Wear chemical-resistant Gloves, clothing and boots in case direct dermal exposure and/or splashes may occur.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical State: Liquid gel

Appearance: Liquid gel

Specific gravity: <1.12

Vapour density: No information available

Boiling point/range: Not determined

Decomposition temperature: Not determined

Solubility: Completely Soluble

Solubility in other solvents: No information available

pH: <2.0

Explosion limits: - upper: Not determined - lower: Not determined

Bulk density: No information available

Evaporation Rate: No information available

Color: Clear Blue

Odour: Slightly Perfumed

Melting point/range: Not determined

Auto-ignition temperature: No information available

Density: 1.04 g/cm

Viscosity: 92 mPas

VOC: Not determine

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stability

Hazardous decomposition products

Incompatible materials

Conditions to avoid

No reactivity hazards known under normal storage and use conditions

The product is stable

None known under normal storage and use conditions

Do not mix with bleach, strong acids, bases or other, due to possible heat reactions

No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology Information

No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.

Acute Toxicity

We have not carried out any animal testing for this product. Any ATE figures quoted below are from toxicity classification that have been carried out using ATE (acute toxicity estimate) calculation method using LD50 or ATE figures provide by the raw material manufacturer other health effects - low oral toxicity but ingestion may cause irritation of the gastro intestinal tract.

Corrosive. Oral LD50 estimated to be between 1000 - 2000 mg/kg; Dermal LD50 estimated to be > 2000 mg/kg.

Chronic toxicity:

Unlikely to be irritant in normal use.

Skin corrosion/irritation

Not classified (pH: <2)

Serious eye damage/irritation

Not classified (pH: <2)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

Persistence/Degradability

Readily biodegradable.

Bioaccumulation

No information available.

Mobility

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Product/Packaging disposal recommendations

Dispose in a safe manner in accordance with local/national regulations Dispose of contents/container to an approved waste disposal plant.

SECTION 14: TRANSPORT INFORMATION



DOT/TDG/IMDG: The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

Proper Shipping Name: Cleaning Compounds Liquid (Sodium hydroxide solution)
Transport hazard class(es): Class: 8 Label(s): 8
Packing group: II

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorizations' or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.
Chemical safety assessment: A chemical safety assessment has not been carried out on the mixture

SECTION 16: OTHER INFORMATION

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract. We cannot accept liability for any loss, injury or damage which may result from its use. This information doesn't constitute an assessment of risk as required by any specific health & safety legislations. Data given in this Material Safety Data Sheet are solely for guidance in safe handling and use of the product(s) by customers; they do not form part of any specification. Before Using any product read its label.

Abbreviations and acronyms

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate

End of Material Safety Data Sheet