



Date Issued: 15/06/2016

Rev. date: 15/06/2016

Product: TOILET BOWL
CLEANER- HOUSEHOLD

Page 1 of 5

COMPANY DETAILS

Name: BD Chemicals	Emergency Tel. No. (011)7765076/0834693828/0783892507
Address: 56 Stanley Rd Knights Germiston, Gauteng, South Africa	Postal Address: PO Box 4120 Germiston South 1411
Tel. No. (011) 7765076	

1. PRODUCT IDENTIFICATION

Trade Name:	TBC Toilet Cleaner
Description:	TBC (Toilet Bowl Cleaner) is a citric acid based stainless steel urinal cleaner. It contains wetting agents and penetrants for removing unsightly rust stains, hard water salt deposits and uric acid deposits from urinals and toilet bowls

2. HAZARDOUS COMPONENTS

Hazardous components	CAS#	ECC CLASS	%
Citric Acid	77-92-9	202-069-1	15 - 30
AlkylphenolEthoxylate	9016-45-9	****	2 - 5



3. HAZARD IDENTIFICATION

Main hazard	Chemical burns to skin, eyes, mucous membranes of mouth, throat and esophagus
Explosive hazard	-
Fire	Not Flammable
Chemical hazard	If mixed with chlorinated detergents or sanitizers – forms hazardous vapors.
Health effects - eyes	Causes chemical burns. Immediate water flushing is vital in case of eye contact.
Health effects - skin	Causes chemical burns. Harmful contact may not cause immediate pain.
Health effects - ingestion	HARMFUL Causes chemical burns of mouth, throat and stomach
Health effects – inhalation	Damages airways and lungs, depending upon amount and duration of exposure. Effect vary from irritation to bronchitis or pneumonia, depending on exposure. People with lung problems may be more affected


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Rev. date: 15/06/2016

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CLEANER- HOUSEHOLD

Page 1 of 5

4. FIRST AID

Product in eyes:	Flush at once with cool running water. Remove contact lenses. Continue flushing for at least 15 min, holding eyelids apart so as to rinse entire eye. CALL A PHYSICIAN IMMEDIATELY.
Product on skin:	Immediately flush skin with plenty of cool running water for at least 15 min while removing contaminated clothing and shoes; discard or wash well before reuse.
Product ingested:	Rinse mouth at once; then drink 1 or 2 glasses of water. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.
Product inhaled:	Rinse mouth at once; then drink 1 or 2 glasses of water. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.

For any serious contact situation – GET MEDICAL ATTENTION

5. FIRE FIGHTING MEASURES

Extinguishing media	Use method appropriate for surrounding fire, the product does not support combustion.
Special hazards	High temperatures may generate hazardous decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use proper protective equipment
Environmental precautions	Runoff or dilution water may be corrosive
Small spills	Using water, flush to sewer. Can be neutralized before flushing to sewer.
Large Spills	Dike or dam large spills. Pump to containers or soak up on inter absorbent. Using Water, flush residue to sewer


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Page 1 of 5

7. HANDLING AND STORAGE

Suitable material	Store in original packaging
Loading/unloading precautions	Wear protective equipment
Handling/storage precautions	Wear protective equipment. Avoid contact with skin, eyes and mucous membranes. Minimize spray mists/vapors. Store in cool, dry well ventilate place

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protection- respiratory	Avoid breathing mists or vapors of this product
Personal protection - eyes	Wear chemical splash goggles. For continued or severe exposure wear a face shield over goggles.
Personal protection - skin	Wear any industrial rubber gloves, synthetic apron, other protective equipment as necessary to prevent skin contact
Other	Access to emergency eye wash and shower is recommended



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Orange liquid
Odor	Pungent Acid Odour
pH	←2.0 (1%)
Specific Gravity	1.180 (20°C)
Solubility - water	Mixes with water in all proportions
Flammability	Not Flammable
Flash point	Not applicable
Melting point	Not applicable
Boiling point	→ 100°C
Auto-flammability	Not applicable
Explosive properties	Not applicable
Vapor pressure	Not applicable


 Management System
 ISO 9001:2015

 www.tuv.com
 ID 9105086504



Date Issued: 15/06/2016	Rev. date: 15/06/2016	Product: TOILET BOWL CLEANER- HOUSEHOLD	Page 1 of 5
-------------------------	-----------------------	---	-------------

10. STABILITY AND REACTIVITY

Conditions to avoid	Dilute product by slowly adding to water. Do not mix with chlorinated products – will cause hazardous vapours
Stability	Stable under normal conditions of use and handling
Hazardous decomposition products	High temperature may generate hazardous decomposition products including oxides of Nitrogen

11. TOXICOLOGICAL INFORMATION

Acute exposure	Corrosive to skin, eyes,
Chronic exposure	Nitric acid may be associated with changes in pulmonary function, chronic bronchitis, conjunctivitis
Carcinogenicity	Not applicable
Mutagenicity	Not applicable
Neurotoxicity	Headache can occur
Reproductive hazards	Not expected to impair fertility

12. ECOLOGICAL INFORMATION

General	Large quantities released will produce pH level changes.
Aquatic	Contamination of Aquatic systems should be avoided.
Biodegradability	Biodegradable. Readily Absorbed into the soil
Bio-accumulation	Slight bioaccumulation potential

13. DISPOSABLE CONSIDERATIONS

Unused products are corrosive, consult local authorities for limits on chemical waste disposal. Rinse out empty container thoroughly with water before disposal.

14. TRANSPORT INFORMATION

UN No.	Not classified
Packing Group	Not classified
Class	Not classified



Management System
ISO 9001:2015



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Date Issued: 15/06/2016	Rev. date: 15/06/2016	Product: TOILET BOWL CLEANER- HOUSEHOLD	Page 1 of 5
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15. REGULATORY INFORMATION

RISK PHRASES

Risk phrases:

R36; Irritating to eyes
R37; Irritating to respiratory system
R38; Irritating to skin

Safety phrases:

S26; In case of contact with eyes rinse immediately with plenty of water and seek medical attention.
S37; Wear suitable gloves
S39; Wear eye and face protection

16. OTHER INFORMATION

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, No WARRANTY, EXPRESS OR IMPLIED, IS MADE TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

Rev. no.	Rev. date	Reason for revision	Responsible person
0	28/05/2019	First issue in 16-point format	Richard Gaddi



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