



Date Issued: 15/06/2016

Rev. date: 15/06/2016

Product: TOILET BOWL  
CLEANER- INDUSTRIAL

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## 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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#### 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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### 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                      |


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### 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 |



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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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