SAFETY DATA SHEET
T.T.C. THICKENED TOILET CLEANER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name T.T.C. THICKENED TOILET CLEANER
Product No. A105 EV
Internal Id Janitorial - Washroom Hygiene Section

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Acidic Descaling Toilet Cleaner and Hard Surface Cleaner for washrooms

1.3. Details of the supplier of the safety data sheet
Supplier Evans Vanodine International
Brierley Road
Walton Summit
Preston. PR5 8AH
Tel: 01772 322 200
Fax: 01772 626 000
qclab@evansvanodine.co.uk

1.4. Emergency telephone number
New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri
Technical Advice -
8.30am to 4.45pm - 01772 318 818 - Mon to Fri

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (1999/45/EEC) Xi;R36/38.

2.2. Label elements
Labelling

Risk Phrases
R36/38 Irritating to eyes and skin.

Safety Phrases
S2 Keep out of the reach of children.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.
S50A Do not mix with other chemicals especially chlorine releasing bleaches as toxic gas will be evolved.

2.3. Other hazards
This product does not contain any PBT or vPvB substances.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>HYDROCHLORIC ACID ...%</th>
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<tr>
<td>CAS-No.: 7647-01-0</td>
<td>EC No.: 231-595-7</td>
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<tr>
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<td>Classification (67/548/EEC)</td>
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<tr>
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<td>C;R34</td>
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<tr>
<td>STOT SE 3 - H335</td>
<td>Xi;R37</td>
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<th>ETHOXYLATED OLEYLAMINE</th>
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<td>Classification (EC 1272/2008)</td>
<td>Classification (67/548/EEC)</td>
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<td>Xn;R22.</td>
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<tr>
<td>Skin Corr. 1B - H314</td>
<td>C;R34</td>
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<tr>
<td>Aquatic Acute 1 - H400</td>
<td>N;R50.</td>
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<td>CAS-No.: 7664-38-2</td>
<td>EC No.: 231-633-2</td>
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<tr>
<td>Classification (EC 1272/2008)</td>
<td>Classification (67/548/EEC)</td>
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<tr>
<td>Skin Corr. 1B - H314</td>
<td>C;R34</td>
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</table>

<table>
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<tr>
<th>BUTANOL-norm</th>
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<td>CAS-No.: 71-36-3</td>
<td>EC No.: 200-751-6</td>
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<td>Classification (67/548/EEC)</td>
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<tr>
<td>Flam. Liq. 3 - H226</td>
<td>R10</td>
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<tr>
<td>Acute Tox. 4 - H302</td>
<td>Xn;R22</td>
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<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Xi;R37/38,R41</td>
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<td>Eye Dam. 1 - H318</td>
<td>R67</td>
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<td>STOT SE 3 - H336</td>
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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Not relevant. Inhalation unlikely. In case of inhalation of spray mist: Move person into fresh air and keep at rest.

Ingestion
DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

Skin contact
Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact
Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.
Irritation of nose, throat and airway.

Ingestion
May cause discomfort if swallowed.

Skin contact
Skin irritation. Prolonged skin contact may cause redness and irritation.

Eye contact
May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards
When heated and in case of fire, harmful vapours/gases may be formed.

5.3. Advice for firefighters

Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

6.2. Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Small quantities may be flushed to drains with plenty of water. Large Spillages: Pick up with vacuum or absorbent solid, store in closed container for disposal.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. DO NOT mix with other chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: Oxidising material. (eg Hypochlorite / Bleach)

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.
T.T.C. THICKENED TOILET CLEANER

Usage Description
See Product Information Sheet & Label for detailed use of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
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<tr>
<td>BUTANOL-norm</td>
<td>WEL</td>
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<td>50 ppm(Sk)</td>
<td>154 mg/m3(Sk)</td>
</tr>
<tr>
<td>PHOSPHORIC ACID ...%</td>
<td>WEL</td>
<td>1 mg/m3</td>
<td></td>
<td>2 mg/m3</td>
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</table>

WEL = Workplace Exposure Limit.

Ingredient Comments
STEL= Short-Term Exposure Limit (15 minute) & TWA = Time Weighted Average (8 hours).

8.2. Exposure controls

Engineering measures
Not relevant

Respiratory equipment
Respiratory protection not required.

Hand protection
For prolonged or repeated skin contact use suitable protective gloves. (Household rubber gloves.)

Eye protection
Eye protection recommended.

Other Protection
Wear appropriate clothing to prevent any possibility of skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance         Viscous Liquid
Colour             Clear Blue
Odour              Violet
Solubility         Soluble in water
Initial boiling point and boiling range 100 760 mm Hg
Melting point (°C)  0
Relative density   1.038 @ 20 °c
pH-Value, Conc. Solution 0.30
Flash point        Boils without flashing

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reacts with alkalis and generates heat.

10.2. Chemical stability
No particular stability concerns.

10.3. Possibility of hazardous reactions
See sections 10.1, 10.4 & 10.5

10.4. Conditions to avoid
There are no known conditions that are likely to result in a hazardous situation.

**10.5. Incompatible materials**

Materials To Avoid
Concentrated alkaline materials. Chlorine releasing materials will liberate toxic chlorine gas.

**10.6. Hazardous decomposition products**

No hazardous decomposition products.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

Toxicological information
We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request.

Other Health Effects
Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

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**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**
The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

**12.1. Toxicity**
We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

**12.2. Persistence and degradability**

Degradability
This product, at use dilutions, is readily broken down in biological effluent treatment plants.

**12.3. Bioaccumulative potential**

Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating.

**12.4. Mobility in soil**

Mobility:
Not known.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

Not known.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

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**SECTION 14: TRANSPORT INFORMATION**
14.1. UN number
UN No. (ADR/RID/ADN) 3264
UN No. (IMDG) 3264
UN No. (ICAO) 3264

14.2. UN proper shipping name
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (hydrochloric acid)

14.3. Transport hazard class(es)
ADR/RID/ADN Class Class 8: Corrosive substances.
IMDG Class Class 8: Corrosive substances.
ICAO Class/Division Class 8: Corrosive substances.

14.4. Packing group
ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user
EMS F-A, S-B
Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not relevant for packaged product.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Guidance Notes
Workplace Exposure Limits EH40.
EU Legislation

15.2. Chemical Safety Assessment
Not applicable this product is a mixture.
SECTION 16: OTHER INFORMATION

Information Sources
Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

Revision Comments
New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). - No change in Product Classification - Main change is the move of Labelling elements from Section 15 to Section 2 & Section 3 now has a different layout for the Ingredients and lists their classification in both CHIP & CLP format.

Revision Date 01/10/12
Revision Issue 5

Safety Data Sheet Status The Risk Phrases / Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

Risk Phrases In Full
R34 Causes burns.
R10 Flammable.
R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.
R37/38 Irritating to respiratory system and skin.
R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.
R50 Very toxic to aquatic organisms.

Hazard Statements In Full
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H336 May cause drowsiness or dizziness.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.