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 number A105 EV
Internal identification Janitorial

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. UK. PR5 8AH
Tel: 01772 322 200
Fax: 01772 626 000
qclab@evansvanodine.co.uk

1.4. Emergency telephone number
Emergency telephone New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website www.evansvanodine.co.uk) 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 (EC 1272/2008)
Physical hazards Not Classified
Health hazards Eye Irrit. 2 - H319
Environmental hazards Not Classified

2.2. Label elements
Pictogram

Signal word Warning
Hazard statements H319 Causes serious eye irritation.
T.T.C. THICKENED TOILET CLEANER

Precautionary statements

P102 Keep out of reach of children. Keep away from other chemicals especially chlorine releasing bleaches as toxic gas will be evolved.
P280 Wear eye protection.
P301 IF SWALLOWED:
P313 Get medical advice/ attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with local regulations.

Contains

HYDROCHLORIC ACID ...%, C9-11 ALCOHOL ETHOXYLATE (6.5 EO)

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>HYDROCHLORIC ACID ...%</th>
<th>5-10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 7647-01-0</td>
<td></td>
</tr>
<tr>
<td>EC number: 231-595-7</td>
<td></td>
</tr>
<tr>
<td>Spec Conc Limits: Skin Corr. 1B (H314) ≥ 25%, Skin Irrit. 2 (H315) &gt;10% &lt;25%, Eye Irrit. 2 (H319) &gt;10% &lt;25%, STOT SE 3 (H335) ≥ 10%</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>C9-11 ALCOHOL ETHOXYLATE (6.5 EO)</th>
<th>0.1-1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 68439-45-2</td>
<td></td>
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</tbody>
</table>

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

Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion

Do not induce vomiting. Give plenty of water to drink. Get medical attention.

Skin contact

Wash with plenty of water.

Eye contact

Remove any contact lenses and open eyelids wide apart. 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

2/7
T.T.C. THICKENED TOILET CLEANER

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

Inhalation
Irritation of nose, throat and airway.

Ingestion
May cause discomfort if swallowed.

Skin contact
No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.

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
Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
Specific hazards
Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

5.3. Advice for firefighters
Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Wear eye and face protection. For personal protection, see Section 8.

6.2. Environmental precautions
Environmental precautions
Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Wear eye protection. DO NOT mix with other chemicals.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials. (eg Hypochlorite / Bleach)

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

Usage description
See Product Information Sheet & Label for detailed use of this product.
T.T.C. THICKENED TOILET CLEANER

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

**Occupational exposure limits**

**HYDROCHLORIC ACID ...%**

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2 mg/m³ gas and aerosol mists
Short-term exposure limit (15-minute): WEL 5 ppm 8 mg/m³ gas and aerosol mists
WEL = Workplace Exposure Limit

8.2. Exposure controls

**Protective equipment**

**Appropriate engineering controls**

Not relevant.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand protection**

No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.

**Other skin and body protection**

None required.

**Respiratory protection**

Respiratory protection not required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

**Appearance**

Viscous liquid.

**Colour**

Clear. Blue.

**Odour**

Violet.

**pH**

pH (concentrated solution): 0.30

**Melting point**

0°C

**Initial boiling point and range**

100°C @ 760 mm Hg

**Flash point**

Boils without flashing.

**Relative density**

1.025 @ 20°C

**Solubility(ies)**

Soluble in water.

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

**Reactivity**

Reacts with alkalis and generates heat.

10.2. Chemical stability

**Stability**

No particular stability concerns.
T.T.C. THICKENED TOILET CLEANER

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

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

10.5. Incompatible materials
Materials to avoid
Strong alkalis. Chlorine releasing materials will liberate toxic chlorine gas.

10.6. Hazardous decomposition products
Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects
We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

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

SECTION 12: Ecological Information

Ecotoxicity
The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity
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
Persistence and 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
Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects
Other adverse effects
Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal 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.
T.T.C. THICKENED TOILET CLEANER

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID) 3264
UN No. (IMDG) 3264
UN No. (ICAO) 3264

14.2. UN proper shipping name
Proper shipping name (ADR/RID) CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (hydrochloric acid)
Proper shipping name (IMDG) CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (hydrochloric acid)
Proper shipping name (ICAO) CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (hydrochloric acid)

14.3. Transport hazard class(es)
ADR/RID class Class 8: Corrosive Substances.
ADR/RID label 8
IMDG class Class 8: Corrosive substances.
ICAO class/division Class 8: Corrosive substances.

Transport labels

14.4. Packing group
ADR/RID 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 MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant. for a packaged product.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
**T.T.C. THICKENED TOILET CLEANER**

**EU legislation**
The product is as classified under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

**15.2. Chemical safety assessment**
No chemical safety assessment has been carried out as not applicable as this product is a mixture.

**SECTION 16: Other information**

<table>
<thead>
<tr>
<th>Abbreviations and acronyms used in the safety data sheet</th>
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<tbody>
<tr>
<td>PBT: Persistent, Bioaccumulative and Toxic substance.</td>
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<tr>
<td>vPvB: Very Persistent and Very Bioaccumulative.</td>
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<tr>
<td>ATE: Acute Toxicity Estimate.</td>
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<tr>
<td>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</td>
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<tr>
<td>IMDG: International Maritime Dangerous Goods.</td>
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<td>GHS: Globally Harmonized System.</td>
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<tr>
<td>Spec Conc Limits = Specific Concentration Limits.</td>
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<table>
<thead>
<tr>
<th>Classification abbreviations and acronyms</th>
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<tbody>
<tr>
<td>Acute Tox. = Acute toxicity</td>
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<tr>
<td>Eye Dam. = Serious eye damage</td>
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<tr>
<td>Eye Irrit. = Eye irritation</td>
</tr>
<tr>
<td>Met. Corr. = Corrosive to metals</td>
</tr>
<tr>
<td>Skin Corr. = Skin corrosion</td>
</tr>
<tr>
<td>Skin Irrit. = Skin irritation</td>
</tr>
<tr>
<td>STOT SE = Specific target organ toxicity-single exposure</td>
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<tr>
<th>Key literature references and sources for data</th>
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<tr>
<td>Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&amp;L Inventory database.</td>
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<table>
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<tr>
<th>Classification procedures according to Regulation (EC) 1272/2008</th>
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<td>Calculation Method.</td>
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<tr>
<td>Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&amp;16)</td>
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<tr>
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<td>01/08/2017</td>
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**SDS status**
The 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 Hazard Statements relating to this Product see Section 2.

**Hazard statements in full**
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.