



## 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

<b>Product name</b>	T.T.C. THICKENED TOILET CLEANER
<b>Product number</b>	A105 EV
<b>Internal identification</b>	Janitorial

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Identified uses</b>	Acidic Descaling Toilet Cleaner and Hard Surface Cleaner for washrooms
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#### 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

<b>Emergency telephone</b>	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Eye Irrit. 2 - H319
<b>Environmental hazards</b>	Not Classified

#### 2.2. Label elements

##### Pictogram



<b>Signal word</b>	Warning
<b>Hazard statements</b>	H319 Causes serious eye irritation.

## T.T.C. THICKENED TOILET CLEANER

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

<b>HYDROCHLORIC ACID ...%</b>	<b>5-10%</b>
CAS number: 7647-01-0	EC number: 231-595-7
Spec Conc Limits :- Skin Corr. 1B (H314) ≥ 25%, Skin Irrit. 2 (H315) >10% <25%, Eye Irrit. 2 (H319) >10% <25%, STOT SE 3 (H335) ≥ 10%	
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	
<b>C9-11 ALCOHOL ETHOXYLATE (6.5 EO)</b>	<b>0.1-1%</b>
CAS number: 68439-45-2	
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318	

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

<b>Inhalation</b>	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.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. Get medical attention.
<b>Skin contact</b>	Wash with plenty of water.
<b>Eye contact</b>	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

## T.T.C. THICKENED TOILET CLEANER

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.
<b>Eye contact</b>	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/m<sup>3</sup> gas and aerosol mists

Short-term exposure limit (15-minute): WEL 5 ppm 8 mg/m<sup>3</sup> 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

Other information	None.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	Reacts with alkalis and generates heat.
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#### 10.2. Chemical stability

Stability	No particular stability concerns.
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## 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** Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).  
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

<b>Abbreviations and acronyms used in the safety data sheet</b>	PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. IMDG: International Maritime Dangerous Goods. ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. GHS: Globally Harmonized System. Spec Conc Limits = Specific Concentration Limits.
<b>Classification abbreviations and acronyms</b>	Acute Tox. = Acute toxicity Eye Dam. = Serious eye damage Eye Irrit. = Eye irritation Met. Corr. = Corrosive to metals Skin Corr. = Skin corrosion Skin Irrit. = Skin irritation STOT SE = Specific target organ toxicity-single exposure
<b>Key literature references and sources for data</b>	Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&L Inventory database.
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Calculation Method.
<b>Revision comments</b>	Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)
<b>Revision date</b>	01/08/2017
<b>Revision</b>	7
<b>SDS status</b>	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.
<b>Hazard statements in full</b>	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.