

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET MIXXIT TOILET CLEANER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	MIXXIT TOILET CLEANER
Internal identification	MXX619
Container size	2x2L
UFI	UFI: JJA1-90RN-300N-7PD7

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

Identified uses	Cleaning agent. Descaler.
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#### 1.3. Details of the supplier of the safety data sheet

Supplier	Cleenol Group Ltd Neville House Beaumont Road Banbury Oxon OX16 1RB UK Tel: +44 (0)1295 251721 sales@cleenol.co.uk
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#### 1.4. Emergency telephone number

Emergency telephone	In case of a medical emergency following exposure to a chemical, call NHS Direct via 111 (UK only).
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### SECTION 2: Hazards identification

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

##### Classification (SI 2019 No. 720)

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Skin Corr. 1A - H314
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Danger
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Hazard statements	H226 Flammable liquid and vapour. H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
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## MIXXIT TOILET CLEANER

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</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>P403+P235 Store in a well-ventilated place. Keep cool.</p>
<b>Contains</b>	2,2'-(OCTADEC-9-ENYLIMINO) BISETHANOL
<b>Supplementary precautionary statements</b>	<p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P260 Do not breathe vapour/ spray.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P391 Collect spillage.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>CITRIC ACID MONOHYDRATE</b>	<b>10-30%</b>
CAS number: 5949-29-1	EC number: 691-328-9
<b>Classification</b>	
Eye Irrit. 2 - H319	
<b>2,2'-(OCTADEC-9-ENYLIMINO) BISETHANOL</b>	<b>10-30%</b>
CAS number: 25307-17-9	EC number: 246-807-3
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1A - H314	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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<b>ETHANOL</b>	<b>10-30%</b>
CAS number: 64-17-5	EC number: 200-578-6
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
<b>SODIUM P-CUMENESULPHONATE</b>	<b>5-10%</b>
CAS number: 15763-76-5	EC number: 239-854-6
<b>Classification</b>	
Eye Irrit. 2 - H319	
<b>TOLUENE</b>	<b>&lt;1%</b>
CAS number: 108-88-3	EC number: 203-625-9
<b>Classification</b>	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
Repr. 2 - H361d	
STOT SE 3 - H336	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Do not induce vomiting. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention.

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

<b>Inhalation</b>	Considered to be a low inhalation hazard at normal workplace temperatures.
<b>Ingestion</b>	Corrosive. May be harmful if swallowed.
<b>Skin contact</b>	Causes severe burns.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	No specific recommendations.
<b>Specific treatments</b>	Treat symptomatically.

## MIXXIT TOILET CLEANER

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Water spray.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Flammable liquid and vapour.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Flammable gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Avoid the spillage or runoff entering drains, sewers or watercourses.

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials. Firefighter's clothing will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery.

#### 6.2. Environmental precautions

**Environmental precautions** The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Avoid discharge to the aquatic environment.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Large Spillages: Contain spillage with sand, earth or other suitable non-combustible material. Dispose of waste via a licensed waste disposal contractor. Flush contaminated area with plenty of water. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with skin, eyes and clothing. Avoid spilling. Avoid release to the environment.

**Advice on general occupational hygiene** Wash hands thoroughly after handling.

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### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep only in the original container in a cool, well-ventilated place. Keep container tightly sealed when not in use. Keep at temperature not exceeding 30°C. Keep away from combustible material. Keep away from heat, sparks and open flame. Store locked up.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

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

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### CITRIC ACID MONOHYDRATE

Long-term exposure limit (8-hour TWA): 4 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 10 mg/m<sup>3</sup>

##### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

##### TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 574 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls** No specific ventilation requirements.

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn.

**Hand protection** It is recommended that chemical-resistant, impervious gloves are worn. Wear protective gloves made of the following material: Rubber (natural, latex). Nitrile rubber. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.

**Hygiene measures** Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

**Respiratory protection** No specific requirements are anticipated under normal conditions of use. Respiratory protection may be required if excessive airborne contamination occurs.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance** Clear liquid.

**Colour** Blue.

**Odour** Citrus.

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<b>pH</b>	pH (concentrated solution): 2.5 - 3.0
<b>Initial boiling point and range</b>	100°C @ 760 mm Hg
<b>Flash point</b>	29°C Pinsky-Martens closed cup.
<b>Relative density</b>	~ 1.06 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	700 - 1500 cP @ 20°C Slightly viscous.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Refractive index</b>	38 - 42
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, no hazardous reactions will occur.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	Information given is based on data of the components and of similar products.
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#### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	2,777.78
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#### Skin corrosion/irritation

<b>Skin corrosion/irritation</b>	Causes severe burns.
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#### Extreme pH

Moderate pH (> 2 and < 11.5).

#### Serious eye damage/irritation

<b>Serious eye damage/irritation</b>	Causes serious eye damage.
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<b>Inhalation</b>	The product is considered to be a low hazard under normal conditions of use.
<b>Ingestion</b>	Corrosive. May be harmful if swallowed.
<b>Skin contact</b>	Causes severe burns.
<b>Eye contact</b>	Causes serious eye damage.
<b>Route of exposure</b>	Skin and/or eye contact
<b>Medical considerations</b>	Pre-existing eye problems.

### SECTION 12: Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

#### 12.1. Toxicity

**Toxicity** Very toxic to aquatic organisms.

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No potential for bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** Soluble in water.

#### 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** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

**Disposal methods** Dispose of contents/container in accordance with local regulations. Following dilution, discharge to the sewer with plenty of water may be permitted.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 2920

**UN No. (IMDG)** 2920

**UN No. (ICAO)** 2920

**UN No. (ADN)** 2920

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** CORROSIVE LIQUID, FLAMMABLE, N.O.S. (2,2'-(OCTADEC-9-ENYLIMINO) BISETHANOL)

## MIXXIT TOILET CLEANER

**Proper shipping name (IMDG)** CORROSIVE LIQUID, FLAMMABLE, N.O.S. (2,2'-(OCTADEC-9-ENYLIMINO) BISETHANOL)

**Proper shipping name (ICAO)** CORROSIVE LIQUID, FLAMMABLE, N.O.S. (2,2'-(OCTADEC-9-ENYLIMINO) BISETHANOL)

**Proper shipping name (ADN)** CORROSIVE LIQUID, FLAMMABLE, N.O.S. (2,2'-(OCTADEC-9-ENYLIMINO) BISETHANOL)

### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	8
<b>ADR/RID subsidiary risk</b>	3
<b>ADR/RID classification code</b>	CF1
<b>ADR/RID label</b>	8
<b>IMDG class</b>	8
<b>IMDG subsidiary risk</b>	3
<b>ICAO class/division</b>	8
<b>ICAO subsidiary risk</b>	3
<b>ADN class</b>	8
<b>ADN subsidiary risk</b>	3

### Transport labels



### 14.4. Packing group

<b>ADR/RID packing group</b>	II
<b>IMDG packing group</b>	II
<b>ICAO packing group</b>	II
<b>ADN packing group</b>	II

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**



### 14.6. Special precautions for user

<b>EmS</b>	F-E, S-C
<b>ADR transport category</b>	2
<b>Emergency Action Code</b>	•3W
<b>Hazard Identification Number (ADR/RID)</b>	83
<b>Tunnel restriction code</b>	(D/E)



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### 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 applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Issued by</b>	Regulatory Chemist
<b>Revision date</b>	04/06/2021
<b>Revision</b>	17
<b>Supersedes date</b>	25/02/2021
<b>SDS number</b>	21253
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.