

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

### 1.1 Product identifier

**Product name:** domol toilet gel

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

**Identified uses:** For cleaning and fragrancing of toilet bowls

**Uses advised against:** Do not mix with other household chemicals such as chlorine bleach containing compounds.

**1.4 Emergency telephone number:** 00352-5748491 this number is available during working hours 8 -17h.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Health Hazards

Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye damage	Category 1	H318: Causes serious eye damage.

### 2.2 Label Elements

**Contains:** FORMIC ACID  
C10 PARETH-8



**Signal Word:** Danger

**Hazard Statement(s):** H315: Causes skin irritation.  
H318: Causes serious eye damage.

**Precautionary Statements**

**General advice:** P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.

**Prevention:** P264: Wash hands thoroughly after handling.  
P280: Wear eye protection.

**Response:** P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor.

**2.3 Other hazards** No data available.

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

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
FORMIC ACID	5 - <10%	64-18-6	200-579-1	01-2119491174-37	1	#
CITRIC ACID	1 - <5%	77-92-9	201-069-1	01-2119457026-42	1	
C10 PARETH-8	1 - <3%	160875-66-1	605-233-7	No data available.	1	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

**Classification**

Chemical name	Classification	Notes
FORMIC ACID	Flam. Liq.: 3: H226 Acute Tox.: 3: H331 Eye Dam.: 1: H318 Acute Tox.: 4: H302 Skin Corr.: 1A: H314	Note B
CITRIC ACID	Eye Irrit.: 2A: H319	

C10 PARETH-8	Eye Dam.: 1: H318 Acute Tox.: 4: H302	
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The full text for all H-statements is displayed in section 16.  
CLP: Regulation No. 1272/2008.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Inhalation:** Move to fresh air.
- Skin Contact:** Flush skin thoroughly with water. Get medical attention if irritation persists after washing.
- Eye contact:** Get medical attention immediately. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.
- Ingestion:** Rinse mouth thoroughly. Do NOT induce vomiting. Seek medical attention.

- 4.2 Most important symptoms and effects, both acute and delayed:** Prolonged or repeated exposure to the skin will lead to irritation. Causes serious eye damage.

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

- Hazards:** No special precautionary health measures should be needed under anticipated conditions of use.
- Treatment:** Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

- General Fire Hazards:** No unusual fire or explosion hazards noted.

### 5.1 Extinguishing media

- Suitable extinguishing media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

- Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

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

- During fire, gases hazardous to health may be formed.

### 5.3 Advice for firefighters

- Special fire fighting procedures:** Wear self-contained breathing apparatus and protective clothing.

- Special 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:** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with eyes and prolonged or repeated contact with skin.
- 6.2 Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
- 6.3 Methods and material for containment and cleaning up:** Dike far ahead of larger spill for later recovery and disposal. Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment.

## SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Do not get in eyes. Wash hands thoroughly after handling. Use only as directed. Provide adequate ventilation. Avoid contact with skin.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store away from incompatible materials. Store in original tightly closed container.
- 7.3 Specific end use(s):** For cleaning and fragrancing of toilet bowls

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values		Source
FORMIC ACID	TWA	5.000000 ppm	9.600000 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

### 8.2 Exposure controls

**Appropriate Engineering Controls:** No data available.

#### Individual protection measures, such as personal protective equipment

- General information:** Provide easy access to water supply and eye wash facilities. Do not eat, drink or smoke when using the product. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
- Eye/face protection:** Use approved safety goggles or face shield.
- Skin protection**
- Hand Protection:** Use suitable protective gloves if risk of skin contact.

<b>Other:</b>	Wear appropriate clothing to prevent reasonably probable skin contact.
<b>Respiratory Protection:</b>	Not relevant, due to the form of the product.
<b>Hygiene measures:</b>	Do not get in eyes. Avoid contact with skin. Wash hands thoroughly after handling.
<b>Environmental Controls:</b>	No eSDS available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Blue
<b>Odor:</b>	green - fresh
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	2.50
<b>Freezing point:</b>	< 0.00 °C
<b>Boiling Point:</b>	> 70.00 °C
<b>Flash Point:</b>	> 93.00 °C
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	1.0330 g/cm <sup>3</sup> (20.00 °C)
<b>Relative density:</b>	1.0330
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>SADT:</b>	No data available.
<b>Viscosity:</b>	600.000 mm <sup>2</sup> /s
<b>Explosive properties:</b>	Not classified
<b>Oxidizing properties:</b>	No data available.

### 9.2 Other information

<b>VOC Content:</b>	EC Directive 2010/75/EU: 75.10 g/l ~7.51 % (calculated)
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## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination. Do not freeze.
<b>10.5 Incompatible Materials:</b>	Strong acids. Strong oxidizing substances. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	By fire, toxic gases may be formed (CO <sub>x</sub> , NO <sub>x</sub> ).

## SECTION 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	None under normal conditions.
<b>Skin Contact:</b>	Causes skin irritation.
<b>Eye contact:</b>	Causes serious eye damage.
<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

<b>Product:</b>	ATEmix: 9,277.640000 mg/kg
<b>Specified substance(s)</b>	
FORMIC ACID	LD 50 (Rat): 730.000000 mg/kg Experimental result, Key study
CITRIC ACID	No data available.
C10 PARETH-8	LD 50 (Rat): 1,999.000000 mg/kg

##### Dermal

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
FORMIC ACID	No data available.
CITRIC ACID	No data available.
C10 PARETH-8	No data available.

##### Inhalation

<b>Product:</b>	ATEmix98.620000 mg/l Vapour
<b>Specified substance(s)</b>	
FORMIC ACID	LC 50 (Rat, 4.00 h): 7.400000 mg/l Vapor, Experimental result, Key study
CITRIC ACID	No data available.
C10 PARETH-8	No data available.

### Repeated dose toxicity

**Product:** No data available.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

### Skin Corrosion/Irritation:

**Product:** Causes skin irritation.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID in vivo (Rabbit): Experimental result, Key study  
C10 PARETH-8 No data available.

### Serious Eye Damage/Eye Irritation:

**Product:** Causes serious eye damage.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

### Respiratory or Skin Sensitization:

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

### Germ Cell Mutagenicity

#### In vitro

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

#### In vivo

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

### Carcinogenicity

**Product:** No data available.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.

C10 PARETH-8 No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

**Aspiration Hazard**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

**Aquatic Invertebrates**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

FORMIC ACID No data available.  
CITRIC ACID No data available.

C10 PARETH-8 No data available.

### Chronic Toxicity

#### Fish

**Product:** No data available.

#### Specified substance(s)

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

#### Aquatic Invertebrates

**Product:** No data available.

#### Specified substance(s)

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

#### Toxicity to Aquatic Plants

**Product:** Based on available data, the classification criteria are not met.

#### Specified substance(s)

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

## 12.2 Persistence and Degradability

### Biodegradation

**Product:** The surfactant(s) contained in this mixture comply with biodegradability criteria as laid down in regulations (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member state. The other components of this mixture are either environmentally inert or absorbed onto sewage and sediment etc or will biodegrade to substances which are likely to be of low environmental impact when the mixture is used as directed.

#### Specified substance(s)

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

### BOD/COD Ratio

**Product** No data available.

#### Specified substance(s)

FORMIC ACID No data available.  
CITRIC ACID No data available.  
C10 PARETH-8 No data available.

## 12.3 Bioaccumulative potential

**Product:** The product is not bioaccumulating.

**Specified substance(s)**

FORMIC ACID	No data available.
CITRIC ACID	No data available.
C10 PARETH-8	No data available.

**12.4 Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

FORMIC ACID	No data available.
CITRIC ACID	No data available.
C10 PARETH-8	No data available.

**12.5 Results of PBT and vPvB assessment:** Based on available data, the classification criteria are not met.

FORMIC ACID	No data available.
CITRIC ACID	No data available.
C10 PARETH-8	No data available.

**12.6 Other adverse effects:** None known.

**12.7 Additional Information:** No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** Dispose of contents/container in accordance with local requirements for domestic waste disposal.

**Disposal methods:** Wash before disposal. Dispose to controlled facilities.

## SECTION 14: Transport information

**ADR**

Not regulated.

**ADN**

Not regulated.

**RID**

Not regulated.

**IMDG**

Not regulated.

**IATA**

Not regulated.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable

## SECTION 15: Regulatory information

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

#### EU Regulations

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:**  
none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:**  
none

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** none

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:**  
none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:**  
none

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**International regulations**

Montreal protocol

Stockholm convention

Rotterdam convention

Kyoto protocol

**SECTION 16: Other information**

**Revision Information:** Not relevant.

**References**

PBT PBT: persistent, bioaccumulative and toxic substance.  
vPvB vPvB: very persistent and very bioaccumulative substance.

**Key literature references and sources for data:** No data available.

**Wording of the H-statements in section 2 and 3**

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.

**Training information:** No data available.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Skin Irrit. 2, H315

Eye Dam. 1, H318

**DetNet Classification** Not relevant.

**Logging Number:**

**Issue Date:** 21.11.2019

**SDS No.:**

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.