



Safety data sheet

according to 1907/2006/EC, Article 31

Page 1/7

Printing date 16.12.2018

Version number 3

Revision: 16.12.2018

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

1.1 Product Identifier:

Trade name: **2-IN-1 TOILET CLEANER**

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

Product category: PC35 Washing and cleaning products (including solvent based products)

Application of the substance / the mixture: Consumer use

1.3 Details of the supplier of the safety data sheet:

Manufacturer / Importer / Supplier:

Hygeniq
Postbus 618
7500 AP Enschede
The Netherlands
Tel.: +31 53 4282860
Fax: +31 53 5393865
Email: info@hygeniq.com
www.hygeniq.com

Further information obtainable from: Product safety department.

1.4 Emergency telephone number:

Only for DOCTORS / FIRE BRIGADE / POLICE:

NL-Phone: +31 53 4282860 (During office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008: The substance is not classified, according to the CLP regulation.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

2.3 Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures:

Description: Mixture of substances listed below, possibly with non-hazardous additions.

Components:

CAS: 506-89-8 EINECS: 208-059-8	Urea Hydrochloride 	≤2.5%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	≤2.5%
CAS: 52-51-7 EINECS: 200-143-0 Index number: 603-085-00-8	Bronopol (INN) 	<1%

Ingredients according to detergents regulation (EC nr. 648/2004):

non-ionic surfactants, anionic surfactants	≤5%
BRONOPOL (INN), 2-octyl-2H-isothiazol-3-one	

Additional information: For the wording of the listed hazard phrases See section 16.



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2018

Version number 3

Page 2/7

Revision: 16.12.2018

Trade name: **2-IN-1 TOILET CLEANER**

(Contd. of page 1)

SECTION 4: First aid measures

4.1 Description of first aid measures:

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering). If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor. If possible, remove contact lenses.

After ingestion:

Rinse out mouth and then drink plenty of water. Induce vomiting only, if affected person is fully conscious.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions. All extinguishing media are possible.

5.2 Special hazards arising from the substance or mixture: Carbon monoxide can arise from incomplete combustion.

5.3 Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Cool endangered tanks with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course. Remainder dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace. Do not eat, drink or smoke while working. In the immediate vicinity of any potential exposure source, eye wash stations and emergency showers should be available.

Information about fire and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and tanks: Store only in the original receptacle.

Information about storage in one common storage facility: Store away from oxidising agents.

(Contd. on page 3)

GB

Trade name: 2-IN-1 TOILET CLEANER

(Contd. of page 2)

Further information about storage conditions:

Protect from frost.

Store receptacle in fume cupboard.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see section 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

34590-94-8 Dipropylene glycol monomethyl ether

WEL (Great Britain)	Long-term value: 308 mg/m ³ , 50 ppm Sk
IOELV (EU)	Long-term value: 308 mg/m ³ , 50 ppm Skin

DNELs

34590-94-8 Dipropylene glycol monomethyl ether

Oral	Long-term - systemic effects	1.67 mg/kg bw/day (Consumer)
Dermal	Long-term - systemic effects	15 mg/kg bw/day (Consumer)
Inhalative	Long-term - systemic effects	65 mg/kg bw/day (Worker)
		37.2 mg/m ³ (Consumer)
		310 mg/m ³ (Worker)

PNECs

34590-94-8 Dipropylene glycol monomethyl ether

Fresh water	19 mg/l
Marine water	1.9 mg/l
Intermittent releases	190 mg/l
Fresh water sediment	70.2 mg/kg
Marine sediment	7.02 mg/kg
Soil	2.74 mg/kg
Sewage treatment	4,168 mg/l

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands: Only use chemical-protective gloves with CE-labelling of category III.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Gloves Neo-Nitrile™ 300 – AQL or 0.65 (level 3). Thickness-0.35 mm.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Goggles recommended during refilling



Tightly sealed goggles

(Contd. on page 4)



HYGENIQ®

Safety data sheet

according to 1907/2006/EC, Article 31

Page 4/7

Printing date 16.12.2018

Version number 3

Revision: 16.12.2018

Trade name: **2-IN-1 TOILET CLEANER**

Limitation and supervision of exposure into the environment: Prevent spills from reaching surface waters or soil.

(Contd. of page 3)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

General Information:

Appearance:

Form:	Liquid.
Colour:	Light pink
Odour:	Perfumed
Odour threshold:	Not determined.

pH-value at 20 °C: ca. 2.5

Change in condition

Melting point/freezing point:	Not determined.
Initial boiling point and boiling range:	100 °C

Flash point: Not applicable.

Flammability (solid, gas): Not applicable.

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not self-igniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure at 20 °C: 23 hPa

Density at 20 °C:	1.016 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.

Solubility in / Miscibility with:

Water: Fully miscible.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

Dynamic at 20 °C:	280 mPas (Spindle S62, 100 rpm)
Kinematic:	Not determined.

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under recommended conditions.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: Violent reactions with strong alkalis and oxidising agents.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong bases

GB
(Contd. on page 5)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2018

Version number 3

Page 5/7

Revision: 16.12.2018

Trade name: **2-IN-1 TOILET CLEANER**

(Contd. of page 4)

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Toilet Cleaner

Oral	LD50	61,422 mg/kg
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506-89-8 Urea Hydrochloride

Oral	LD50	1,121 mg/kg (Rat)
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34590-94-8 Dipropylene glycol monomethyl ether

Oral	LD50	5,135 mg/kg (Rat)
Dermal	LD50	>19,000 mg/kg (Rabbit)

52-51-7 Bronopol (INN)

Oral	LD50	305 mg/kg (Rat)
Dermal	LD10	1,100 mg/kg (ATE)

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

CMR effects (carcinogenic, mutagenic and reprotoxic):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic toxicity:

34590-94-8 Dipropylene glycol monomethyl ether

NOEC / 21d	≥0.5 mg/l (Daphnia Magna)
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12.2 Persistence and degradability: Biodegradable

12.3 Bioaccumulative potential:

Bioaccumulation is not expected.

34590-94-8 Dipropylene glycol monomethyl ether

Log Pow/Cow	0.004
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12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

GB



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2018

Version number 3

Page 6/7

Revision: 16.12.2018

Trade name: **2-IN-1 TOILET CLEANER**

(Contd. of page 5)

Contaminated packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number:

ADR/RID/ADN, IMDG, IATA

Void

14.2 UN proper shipping name:

ADR/RID/ADN, IMDG, IATA

Void

14.3 Transport hazard class(es):

ADR/RID/ADN, IMDG, IATA

Class:

Void

14.4 Packing group:

ADR/RID/ADN, IMDG, IATA

Void

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user:

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:

Not applicable.

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: None of the ingredients are listed.

National regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

Training hints: Take care of good information, instruction and training for users.

Department issuing SDS: Environment protection department.

Abbreviations and acronyms:

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 7)

GB



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2018

Version number 3

Page 7/7

Revision: 16.12.2018

Trade name: 2-IN-1 TOILET CLEANER

(Contd. of page 6)

IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (Division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
EC50: Effective Concentration, 50 percent
IOELVS: Indicative Occupational Exposure Limit Values
mPa.s: milliPascal per second
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

References:

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)
See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Revisions were made in sections marked with *.

Disclaimer:

The information provided in this Material Safety Data Sheet has been prepared with the utmost care and corresponds to the most recent information available to the supplier on the date of publication mentioned in the header of every page. The contents of this Material Safety Data Sheet should not be considered as a guarantee for certain product properties or fitness for particular purposes. It is the obligation of the user to determine whether the product is suitable for the specific purpose, intended use and the method of application. This Safety Data Sheet only relates to the product described and does not apply to any not defined use or the use of the product in combination with other materials, substances or products. It is the responsibility of the user to use and handle the product with care and to comply with all applicable laws and regulations. The supplier accepts no liability for direct or indirect damages resulting from improper use of this Material Safety Data Sheet and / or the products described therein.

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