



# Safety data sheet

according to 1907/2006/EC, Article 31

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Printing date 16.12.2018

Version number 2

Revision: 16.12.2018

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

### 1.1 Product Identifier:

**Trade name:** 3-in-1 Garden furniture 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:** Surface cleaning

### 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

#### Additional information:

EUH210 Safety data sheet available on request.

### 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: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	≤2.5%
CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23	Propylene glycol	substance with a Community workplace exposure limit	≤2.5%

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

non-ionic surfactants	≥5 - <15%
perfumes, LAURYLAMINE DIPROPYLENEDIAMINE, BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE	

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

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures:

**General information:** Take affected persons out of danger area and lay down.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:**

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

**After ingestion:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

**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:**

All extinguishing media are possible.

Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

#### 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:** Not required.

**6.2 Environmental precautions:** 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:**

No dangerous substances are released.

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:

Do not eat, drink or smoke while working.

No special precautions are necessary if used correctly.

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

**7.2 Conditions for safe storage, including any incompatibilities:** Storage must comply with the local regulations.

**Storage:**

**Requirements to be met by storerooms and tanks:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**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.

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## 8.1 Control parameters:

### Ingredients with limit values that require monitoring at the workplace:

#### 64-17-5 ethanol

WEL (Great Britain) Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

#### 57-55-6 Propylene glycol

WEL (Great Britain) Long-term value: 474\* 10\*\* mg/m<sup>3</sup>, 150\* ppm  
\*total vapour and particulates \*\*particulates

### DNELs

#### 64-17-5 ethanol

Oral	Long-term - systemic effects	67 mg/kg bw/day (Consumer)
Dermal	Long-term - systemic effects	206 mg/kg bw/day (Consumer) 343 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects	114 mg/m <sup>3</sup> (Consumer) 950 mg/m <sup>3</sup> (Worker)
	Acute - local effects	950 mg/m <sup>3</sup> (Consumer) 1,900 mg/m <sup>3</sup> (Worker)

### PNECs

#### 64-17-5 ethanol

Fresh water	0.96 mg/l
Marine water	0.79 mg/l
Intermittent releases	2.75 mg/l
Fresh water sediment	3.6 mg/kg
Marine sediment	2.9 mg/kg
Soil	0.63 mg/kg
Sewage treatment	580 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.

**Respiratory protection:** Not required.

#### Protection of hands:

Use protective gloves to DIN EN374-3

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

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

#### 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.

Natural rubber, NR

#### Penetration time of glove material:

Permeation: Breakthrough time - > 480 min

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

Use safety glasses that meets the requirements of EN 166; latest versions.

**Body protection:** Protective work clothing

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

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### SECTION 9: Physical and chemical properties

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

##### General Information:

##### Appearance:

Form:	Liquid.
Colour:	Green
Odour:	Perfumed
Odour threshold:	Not determined.

pH-value at 20 °C: 7-8

##### 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: 1.006 g/cm<sup>3</sup>  
Relative density: Not determined.  
Vapour density: Not determined.  
Evaporation rate: Not determined.

##### Solubility in / Miscibility with:

Water: Fully miscible.  
Refraction Index: 1.350

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

##### Viscosity:

Dynamic: Not determined.  
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: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects:

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

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LD/LC50 values relevant for classification:		
<b>64-17-5 ethanol</b>		
Oral	LD50	7,060 mg/kg (Rat)
Dermal	LD50	>15,800 mg/kg (Rabbit)
Inhalative	LC50/4 h	51 mg/l (Rat)
<b>57-55-6 Propylene glycol</b>		
Oral	LD50	20,000 mg/kg (Rat)
Dermal	LD50	20,800 mg/kg (rbt)

**Primary irritant effect:**

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

**Serious eye damage/irritation:** No known effect.

**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:** Not hazardous to water.

**12.2 Persistence and degradability:** Easily biodegradable

**12.3 Bioaccumulative potential:** Does not accumulate in organisms

**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

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**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:** Smaller quantities can be disposed of with household waste.

**Contaminated packaging:**

**Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

<b>14.1 UN-Number:</b> ADR/RID/ADN, IMDG, IATA	Void
<b>14.2 UN proper shipping name:</b> ADR/RID/ADN, IMDG, IATA	Void

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### 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

This information is based on our present knowledge. This shall not constitute a guarantee for any properties of the product and shall not establish a legally valid contractual relationship.

### Relevant phrases:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

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

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

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

### 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 \*.

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