

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 31.10.2017

Version number 1

Revision: 22.10.2017

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier:
Trade name: Greenhouse Glassclean
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

Professional use only

1.3 Details of the supplier of the safety data sheet:
Manufacturer / Importer / Supplier:

Quattro•P

Postbus 618

7500 AP Enschede

The Netherlands

Tel.: +31 53 4282860

Fax: +31 53 5393865

Email: info@quattrop.eu

www.quattrop.eu

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:

Alkyl ether carboxylic acid, sodium salt

 Skin Irrit. 2, H315; Eye Irrit. 2, H319

2.5-10%

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

anionic surfactants

<5%

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

SECTION 4: First Aid Measures

4.1 Description of first aid measures:
General information:

No special measures required.

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.

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After ingestion: Rinse out mouth and then drink plenty of water.**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:**

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:

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 measures required.

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.**8.1 Control parameters:****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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.

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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.

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: 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.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:**General Information:****Appearance:**

Form:	Liquid.
Colour:	Light blue
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value at 20°C:	2,8
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Change in condition

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

Flash point:	Not applicable.
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Flammability (solid, gas):	Not applicable.
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Ignition temperature:	Not determined
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Decomposition temperature:	Not determined.
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Auto-ignition temperature:	Product is not self-igniting.
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Explosive properties:	Product does not present an explosion hazard.
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Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure at 20°C:	23hPa
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Density at 20°C:	1,024g/cm ³
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Relative density:	Not determined.
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Vapour density:	Not determined.
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Evaporation rate:	Not determined.
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Solubility in / Miscibility with:

Water:	Fully miscible.
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Refraction Index:	1.351
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Partition coefficient: n-octanol/water:	Not determined.
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Viscosity:

Dynamic at 20°C:	240mPas (S61, 20rpm)
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Kinematic:	Not determined.
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Solvent content:

Oxidizing properties:	Does not contain oxidizing properties.
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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.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Inhalative	LC50/4 h	341 mg/l (Rat)
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137-16-6 Sodium N-lauroylsarcosinate

Oral	LD50	>2,000 mg/kg (Rat)
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Inhalative	LC50/4 h	1.67 mg/l (Rat)
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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:

The product components are not classified as dangerous for the environment or the quantities are not relevant. Larger or frequent spills can be dangerous or harmful to the environment.

Aquatic toxicity:

Not hazardous to water.

137-16-6 Sodium N-lauroylsarcosinate

LC50/48h	29.7 mg/l (Daphnia Magna)
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LC50/96h	107 mg/l (Brachydanio Rerio)
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Erl50/72h	79 mg/l (Desmodesmus subspicatus)
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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

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

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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.**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:** Not applicable**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:

H315 Causes skin irritation.

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

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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)
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
Skin Irrit. 2: Skin corrosion/irritation – 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>

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