

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 27.03.2020

Version number 1

Revision: 17.01.2020

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

1.1 Product identifier

Trade name: ONETAB Glass Cleaner

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

Application of the substance / the mixture Glass Cleaner

1.3 Details of the supplier of the safety data sheet

Supplier:

GlobeSolutions Scandinavia AB
Nätvägen 7
SE-432 74 Träslövsläge
Sweden
Mobile: +46(0)735 111277

Manufacturer:

O2-Tabs Desinfektion GmbH
- Member of the Medea Group -
Silberhofstr. 88
D-09599 Freiberg

Further information obtainable from:

Tel.: +49 (0)3731 4193820
Fax: +49 (0)3731 4193821
E-Mail: info@medeagroup.de
Kontaktperson: Dr. Niels Ole Vesterager

1.4 Emergency telephone number: -

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

Signal word Warning**Hazard-determining components of labelling:**

maleic acid
linalyl acetate

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.

(Contd. on page 2)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 27.03.2020

Version number 1

Revision: 17.01.2020

Trade name: ONETAB Glass Cleaner

(Contd. of page 1)

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary statements

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P301+P312 IF SWALLOWED: Call a doctor if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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 with nonhazardous additions.

Dangerous components:

CAS: 110-16-7 EINECS: 203-742-5 Index number: 607-095-00-3 Reg.nr.: 01-2119488705-25	maleic acid Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	>20-≤30%
CAS: 617-48-1 EINECS: 210-514-9 Reg.nr.: 01-2119552463-40	DL-malic acid Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%
CAS: 68439-57-6 EC number: 931-534-0	sodium C14-16 olefin sulfonate Eye Dam. 1, H318; Skin Irrit. 2, H315	10-25%
CAS: 85586-07-8 EINECS: 287-809-4 Reg.nr.: 01-2119489463-28	sodium C12-C14 alkyl sulphate Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥2.5-<10%
CAS: 115-95-7 EINECS: 204-116-4	linalyl acetate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0.1-<1%

Specific concentration limits

maleic acid CAS 110-16-7: Skin Sens. 1 ≥ 0,1

sodium C14-16 olefin sulfonate CAS 68439-57-6: Skin Irrit. 2 ≥ 5 %; Eye Dam. 1 ≥ 38 %; Eye Irrit. 2 ≥ 5 %

Regulation (EC) No 648/2004 on detergents / Labelling for contents

anionic surfactants 15-30 %

perfumes

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

(Contd. on page 3)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 27.03.2020

Version number 1

Revision: 17.01.2020

Trade name: ONETAB Glass Cleaner

(Contd. of page 2)

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:**CO₂, powder or water spray. Fight larger fires with water spray.

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.

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:**

Pick up mechanically.

Wash residues with water.

Dispose contaminated material as waste according to item 13.

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 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:****Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Store in a cool and dry place.

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

Protect from humidity and water.

Keep container tightly sealed.

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 item 7.

(Contd. on page 4)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 27.03.2020

Version number 1

Revision: 17.01.2020

Trade name: ONETAB Glass Cleaner

(Contd. of page 3)

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:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

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

Protection of hands: Protective gloves.

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.11 mm

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: Tightly sealed goggles

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Tablets
Colour:	Blue
Odour:	lemony
Odour threshold:	Not determined.

pH-value:	Not applicable.
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Change in condition

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

Flash point:	Not applicable.
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Flammability (solid, gas):	Not determined.
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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 selfigniting.
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Explosive properties:	Product does not present an explosion hazard.
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Explosion limits:

Lower:	Not determined.
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(Contd. on page 5)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 27.03.2020

Version number 1

Revision: 17.01.2020

Trade name: ONETAB Glass Cleaner

(Contd. of page 4)

Upper:	Not determined.
Vapour pressure:	Not applicable.
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Easily soluble.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
Solids content:	100.0 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable if stored according to specifications.

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)

Oral	LD50	2,238 mg/kg (rat)
Dermal	LD50	5,417 mg/kg (rabbit)

110-16-7 maleic acid

Oral	LD50	708 mg/kg (rat)
Dermal	LD50	1,560 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

(Contd. on page 6)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 27.03.2020

Version number 1

Revision: 17.01.2020

Trade name: ONETAB Glass Cleaner

(Contd. of page 5)

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

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

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

STOT-single exposure

May cause respiratory irritation.

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:

Data of the ingredients:

110-16-7 maleic acid

LC50/96h 75 mg/l (fish) (EPA 660/3-75-009)

EC50/48h 42.81 mg/l (Daphnia magna) (OECD 202)

EC50/72h 74.35 mg/l (algae) (OECD 201)

617-48-1 DL-malic acid

LC50/48h 240 mg/l (Daphnia magna)

LC50/96h >100 mg/l (fish)

68439-57-6 sodium C14-16 olefin sulfonate

LC50/96h 4.2 mg/l (Danio rerio) (OECD 203)

EC50/48h 4.53 mg/l (Ceriodaphnia dubia)

85586-07-8 sodium C12-C14 alkyl sulphate

LC50/96h 3.6 mg/l (fish) (OECD 203)

EC50/48h 4.7 mg/l (daphnia)

EC50/72h 20 mg/l (algae)

12.2 Persistence and degradability The contained surfactants are biodegradable

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product 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

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

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

(Contd. on page 7)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 27.03.2020

Version number 1

Revision: 17.01.2020

Trade name: ONETAB Glass Cleaner

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

(Contd. of page 6)

SECTION 14: Transport information

14.1 UN-Number
ADR, ADN, IMDG, IATA Not regulated.

14.2 UN proper shipping name
ADR, ADN, IMDG, IATA Not regulated.

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class Not regulated.

14.4 Packing group
ADR, IMDG, IATA Not regulated.

14.5 Environmental hazards: Not applicable.

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.

SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008 GHS label elements

Directive 2012/18/EU

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

National regulations:

The product is subject to be labeled according to the prevailing version of the regulations on hazardous substances.

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. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008 Calculation method

Department issuing SDS: Department R&D

Contact: Dr. Niels Ole Vesterager

(Contd. on page 8)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 27.03.2020

Version number 1

Revision: 17.01.2020

Trade name: ONETAB Glass Cleaner

(Contd. of page 7)

Created by: MSC

Abbreviations and acronyms:

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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - oral – 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

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3