

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) 1907/2006 (REACH)

Trade name: STEFES Glass Cleaner

Version: 1.0 / EN

Date of impression: 2018-05-09 Date of revision: 2018-05-09

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Section 1: Identification of the substance/preparation and of the company/undertaking

**1.1 Product identifier/
trade name:** STEFES Glass Cleaner

Relevant identification of the substance or mixture and the uses advised against

Relevant identified use
Cleaner

**1.3 Company/undertaking
Identification:** STEFES GmbH
Wendenstr. 21 b
D-20097 Hamburg
Phone: +49 (40) 53308330
Fax: +49 (40) 533083329
info@stefes.eu

1.4 Emergency phone (24 hours): 0870-600-6266 [UK National Poisons Control Information Service (NPIS) Centre]

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classified as hazardous according to the criteria of Regulation (EC) No 1272/2008 [CLP]

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2 Label

Identification according to Regulation (EC) No 1272/2008 [CLP]

Hazard Pictograms None
Signal word None
Hazard statements The mixture does not meet the criteria for classification

2.3 Other hazards

No information available

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterisation

Mixture

Hazard ingredients

None

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Section 4: First aid measures

4.1 Description of first aid measures

General information

Remove affected persons from danger zone. Remove contaminated clothing immediately and dispose it safely. Ensure, that medical personnel is aware of the material(s) involved, and take precautions to protect themselves.

Inhalation

Bring affected persons to fresh air and place in a resting position. If symptoms persist, consult a physician.

Skin contact

Take off immediately all contaminated clothing. Wash skin immediately with plenty of water for min. 10 minutes, followed by soap and water. If symptoms persist, consult a physician.

Eye contact

Flush eyes thoroughly with water for min. 15 minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If eye irritation persists, consult a physician, preferably an ophthalmologist.

Ingestion

Rinse mouth with water. Call a POISON CENTER or doctor if symptoms / complaints occur.

Self-protection of first-aider

Consider self-protection of first-aider. Only if own safety is guaranteed can life-saving emergency measures be taken. Following the rescue chain, the emergency call takes places. Until the arrival of the rescue service, the first-aider should take further measurements. These include, for example, the further care as well as mental health care of the person affected.

4.2 Most important symptoms and effects, both acute and delayed

Direct contact with eyes may cause temporary irritation.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Fire-fighting measures

General fire hazards

No unusual fire or explosion hazards noted. Non-combustible, substance itself does not burn.

5.1 Extinguishing media

Suitable extinguishing media

Water spray, dry chemical powder, foam, Carbon dioxide (CO₂)

Extinguishing media which must not be used for safety reasons

It must not be used a massive jet of water, because it spreads the fire.

5.2 Special exposure hazards arising from the substance or mixture

In case of fire, harmful gases may be produced.

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5.3 Indications for fire-fighting

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special methods

Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental release measures

6.1 Person-related safety precautions, protective equipment and emergency measures

Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment as required.

For non-emergency personnel

Consider precautions protection regulations (see to section 7 and 8). Contact with skin, eyes and clothing must be prevented. Ensure adequate ventilation. Keep ignition sources away.

Emergency personnel

No data available. For personal protection see section 8.

6.2 Environmental protection

Do not allow to get into sewer system, surface water or ground water.

6.3 Methods for cleaning up

Absorb with liquid-binding material (e.g. inert absorbent chemicals, sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects in compliance with environmental regulations. Keep in suitable and closed containers for disposal. Never return spills to original containers or re-use.

6.4 Additional information

Information to safety handling, see section 7.

Information to personal protection equipment, see section 8.

Information to disposal considerations, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advices for proper handling

Avoid contact with skin, eyes, and clothing. Store work clothes separately from other clothes. Wash hands before breaks and immediately after handling the product. Shower or bath at the end of work. Remove contaminated clothing immediately and clean thoroughly before reuse. For personal protection see section 8. Use only in area provided with appropriate exhaust ventilation.

Precautions against fire and explosion

No special measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage facilities and containers

Store in the original container. Keep container tightly closed in a dry, cool and well-ventilated place. Store in a place accessible only to authorized persons. Protect from freezing and direct sunlight. (5 - 50°C)

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Information on storage with other products

Keep away from food, drinks and animal foodstuffs.

7.3 Specific end use(s)

Follow label directions carefully. The specified uses for this material are shown in section 1 of this document.

Section 8: Exposure controls / Personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limits noted for the ingredients.

Biological limit values

No biological exposure limits noted for the ingredients.

Derived no-effect level (DNEL)

Not available.

Predicted no effect concentration (PNECs)

Not available.

Additional information

The following recommendations regarding exposure monitoring/personal protective equipment refer to the manufacture, formulation and bottling of the product. For proper handling and use of this product, see the instructions for use or the label.

8.2 Limitation and monitoring of exposure

8.2.1 Appropriate engineering controls

If dust, fumes, vapors or mists are generated by user operation, use process enclosures, local exhaust or other clothes.

8.2.2 General protective and hygienic measures

When handling and using this product as directed, follow the instructions on the label. In all other cases, apply the personal protection measures listed. Please follow the usual instructions when dealing with chemicals. Always wear personal protective equipment. Avoid contact with eyes, skin and clothing. Keep away from food, drink and animal foodstuffs. Do not eat, drink or smoke while at work. Store work clothes separately. Wash hands before breaks and immediately after handling the product. Wash hands after handling. Remove contaminated clothing immediately and clean thoroughly before reuse. Remove non-cleanable clothing.

Eye/Face protection

Wear goggles or face shield if required.

Hand protection

Please contact the glove supplier for further information. Take into account the specific, local conditions under which the product is used, such as cutting risk, abrasion and contact duration. Wash contaminated clothing. If the glove has been damaged or contaminated on the inside, it must be disposed. Hands regularly and always wash before eating, drinking, smoking or going to the toilet. Suitable material: NBR (Nitrile rubber).

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Body protection

Wear standard overall and protective suit. For the risk of significant exposure, a higher-quality protective suit should be considered. If possible, wear two layers of clothing: Under a chemical protective suit a jumpsuit made of polyester/cotton or pure cotton should be worn. Overalls should be laundered on a regular basis.

Respiratory protection

If insufficient ventilation, wear suitable respiratory equipment.

8.3 Limiting the exposure of end users

General information

The use of technical measures should always take precedence over personal protective clothing. Wearing of closed work clothing is recommended. For handling in consumer packaging, the information on personal protective equipment in the instructions for use apply. Avoid contact with eyes, skin and clothing.

Information and requirements of the Federal Office for Consumer Protection and Food Safety for the protection of the user

See instructions for use or label.

8.2.2 Environment exposure control

Take technical measures to prevent environmental contamination, in particular with regard to wastewater.

Section 9: Physical and chemical properties

Physical state:	Liquid
Color:	Colorless to amber
Odor:	Slight
pH:	~10,6
Melting point/freezing point:	Not available
Flashpoint:	Not applicable
Boiling point:	~100 °C
Evaporation rate	Not applicable
Flammability(solid/gas)	Not applicable
Flammability limit-lower (%)	Not applicable
Flammability limit upper (%)	Not applicable
Vapour pressure	Similar to water
Vapour density:	Similar to water
Relative density:	Not available
Solubility (water):	Not available
Solubility (others):	Miscible
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Density:	Not available
Viscosity:	Not available
Explosiveness:	None known
Oxidizing properties:	No oxidizing properties
Percent volatile:	Not available

9.2 Other information

Other safety-related physical-chemical data are unknown.

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Section 10: Stability and reactivity

10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions when stored and handled under normal conditions of use.

10.4 Conditions to avoid

Contact with incompatible materials.

10.5 Incompatible materials

Strong oxidizing and reducing agents.

10.6 Hazardous decomposition products

None under normal use. Thermal decomposition can lead to release of irritating gases and vapors.

Section 11: Toxicological information

11.1 Information on toxicological effects

Occupational exposure to the substance or mixture may cause adverse effects.

11.1.1 Acute oral toxicity

Due to partial or complete lack of data the classification is not possible.

11.1.2 Acute dermal toxicity

Due to partial or complete lack of data the classification is not possible.

11.1.3 Acute inhalation toxicity

Due to partial or complete lack of data the classification is not possible.

11.1.4 Sensitization of Skin/respiratory protection

Due to partial or complete lack of data the classification is not possible.

11.1.5 Skin corrosion

Due to partial or complete lack of data the classification is not possible.

11.1.6 Eye corrosion

Due to partial or complete lack of data the classification is not possible.

11.1.7 Germ cell mutagenicity

Due to partial or complete lack of data the classification is not possible.

11.1.8 Carcinogenicity

Due to partial or complete lack of data the classification is not possible.

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11.1.9 Reproductive toxicity

Due to partial or complete lack of data the classification is not possible.

11.1.10 Developmental toxicity

Due to partial or complete lack of data the classification is not possible.

11.1.11 Specific target organ systemic toxicity

Due to partial or complete lack of data the classification is not possible.

11.1.12. Repeated dose toxicity and specific target organ toxicity (repeated exposure)

Due to partial or complete lack of data the classification is not possible.

11.1.13 Aspiration hazard

Due to partial or complete lack of data the classification is not possible.

Section 12: Ecological information

12.1 Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Mobility in soil

No data available.

12.3 Persistence and degradability

No data available on the degradability of this product. Taking into consideration the properties of several components, the product is estimated to be biodegradable according to OECD classification.

12.4 Bioaccumulation potential

No data available.

12.5 Results of PBT and vPvB assessment

Not a PBT or vPvB substance or mixture.

12.6 Other adverse effects:

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this mixture.

Section 13: Disposal considerations

13.1 Waste treatment methods

Do not dispose product residues in the household waste but deliver them in their original packaging in the hazardous waste disposal of your place of residence. Product may be taken to a landfill or incineration plant in compliance with applicable regulations and, where appropriate, after consultation with the disposal company or the competent authority. Do not reuse empty packaging. Empty and carefully rinsed packaging with the PAMIRA brand must be returned to the authorized collection points of the PAMIRA disposal system with separate closure. For information on when and where to find the collections, contact your local dealer, the regional press or the Internet at www.pamira.de.

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13.1.1 European waste classification

No data available.

Section 14: Transport information

14.1 Land transport (ADR/RID)

Not classified as dangerous goods.

14.2 Inland waterway transport (ADN)

Not classified as dangerous goods.

14.3. Sea transport (IMDG/IMO)

Not classified as dangerous goods.

14.4 Air transport (IATA/ICAO)

Not classified as dangerous goods.

14.5 Special precautions for user

See section 6 and 8.

14.6 Transportation in bulk according to Annex II of MARPOL73/78 and IBC Code

No bulk transport according IBC Code.

Section 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorization)

Based on available data and / or according to the data supplied by the subcontractors, the product does not contain any substance (s) deemed to be a substance (s) subject to authorization in accordance with Regulation (EC) No 1907/2006 (REACH) Annex XIV. be valid.

REACH Candidate List of Substances of Very High Concern (SVHC) for the approval process

According to the available data and / or as supplied by the subcontractors, the product does not contain any substance (s) classified under Article 57 in conjunction with Article 59 of REACH Regulation (EC) No 1907/2006 for inclusion in the Annex XIV (list of substances subject to authorization) is / are applicable.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Based on available data and / or according to the data of the previous suppliers, the product does not contain any substance (s) subject to Regulation (EC) No 1907/2006 (REACH) Annex XVII.

Regulation (EC) No 2037/2000 on substance that deplete the ozon layer, Annex I and II

Not listed.

Regulation (EC) No 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals, Annex 1, part 1-3, Annex V Not listed.

Regulation (EC) No 166/2006 Pollutant release and transfer registry

Not listed.

Directive 2004/37 EC on the protection of workers from the risk related to exposure to carcinogens and mutagens at work.

Not regulated.

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Directive 95/85/EEC on protection of the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding.

Not regulated.

Directive 2012/18/EC on the control of major-accident hazards involving dangerous substances.

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Always applicable.

Directive 94/33/EC on the protection of young people at work.

Not listed.

15.2 Safety assessment

A chemical safety assessment has not been performed for this substance.

Section 16: Other information

16.1 Wording of the H-phrases referred to in Section 3:

The mixture is classified on the basis of the available hazard data of the ingredients as defined in the classification criteria for mixtures for each hazard class in Annex I to Regulation (EC) No 1272/2008.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Disclaimer

All information is based on our present knowledge and refer to the product in the form ready for use. The information is intended as a guidance for safe handling of the product and does not guarantee a product within the meaning of a technical specification. There are no conditions for the use of the product under the control of the manufacturer, the liability for the safe use of the product transferred to the user.

The client is requiring all employees who have contact with the product, learn about the hazards and personal protection measures in accordance with the MSDS.

The sheet was prepared based on the Material Safety Data Sheets of raw materials, as components of the preparation, as well as bibliographic databases and regulations relating to hazardous substances and chemical preparations.

People who are involved in the marketing of the product, according to schools in relation to the procedure, safety and hygiene. The drivers are trained to the corresponding certification in accordance with the requirements of the ADR regulations shall be issued.