

	<p><b>SAFETY DATA SHEET</b></p> <p><b>Stingray Professional Glass Cleaner UG (EU / EN)</b></p>
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The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	04.04.2017
Revision date	08.04.2022

### 1.1. Product identifier

Product name	Stingray Professional Glass Cleaner UG (EU / EN)
Article no.	Stingray Professional Glass Cleaner: SRL03; Window Pro Glass Cleaner: 98802D, 98802M, 98804D, 98800D, 98805D, 98800L

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

Function	Description: Detergent
Product group	Cleaning agents
Use of the substance / preparation	Glass Cleaner - Non-Aerosol
Uses advised against	No specific uses advised against are identified.
Industrial use	Yes
Professional use	Yes
Consumer use	Yes

### 1.3. Details of the supplier of the safety data sheet

Company name	Unger Germany GmbH
Postal address	Piepersberg 44
Postcode	D-42653
City	Solingen
Country	Germany
Telephone number	+49 (0) 212 2207 0
Fax	+49 (0) 212 2207 222
Email	<a href="mailto:compliance@ungerglobal.com">compliance@ungerglobal.com</a>

Website	www.ungerglobal.com
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## 1.4. Emergency telephone number

Emergency telephone	Telephone number: +49 (0) 212 22 07 0 Description: Business hours: Monday - Friday 9 am - 5 pm
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLP classification, comments	Not classified as hazardous according to Regulation (EC) No 1272/2008 [CLP / GHS]
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### 2.2. Label elements

Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice / attention.
Detergents	Ingredients according to the Regulation on Detergents 648/2004: less than 5% non-ionic surfactants; contains fragrance; contains dyes.

### 2.3. Other hazards

Physicochemical effects	Cf. section 9 for physical-chemical information.
Health effect	Cf. section 11 for toxicological information
Environmental effects	Cf. section 12 for information on ecology.
Symptoms and effects of potential misuse	No information required.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Ethanol (EU/EN)	CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH Reg. No.: 01-2119457610-43-0000	Flam. Liq. 2; H225	5 - 10 % wt/wt	
Description of the mixture	Aqueous solution of organic substances. Clear. Light blue. Non-viscous. 0% of the mixture consists of ingredients(s) of unknown toxicity.			

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Place unconscious person on the side in the recovery position and ensure breathing can take place. If medical advice is needed, have product container or label at hand.
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Inhalation	Due to the small packaging the risk of inhalation is minimal. IF INHALED: Move into fresh air and keep at rest.
Skin contact	Wash skin with soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
Ingestion	Immediately rinse mouth and drink plenty of water (7-10 fl. oz.). Never give liquid to an unconscious person. DO NOT INDUCE VOMITING! If medical advice is needed, have product container or label at hand.

## 4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects	Cf. section 11.1 - information on toxicological effects.
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## 4.3. Indication of any immediate medical attention and special treatment needed

Specific details on antidotes	Decontamination, symptomatic treatment. No special antidote known.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Product doesn't ignite. Use fire-extinguishing media appropriate for surrounding materials.
Improper extinguishing media	Water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable.
Hazardous combustion products	Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Organic decomposition products.

### 5.3. Advice for firefighters

Personal protective equipment	In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	Avoid contact with eyes and skin.
Personal protection measures	Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
For emergency responders	In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required.

### 6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

Clean up	Absorb spillage with suitable absorbent material. Pick up with vacuum or absorbent solid, store in closed container for disposal.
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### 6.4. Reference to other sections

Other instructions	Cf. section 8 for personal protection, and section 13 for waste disposal.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Observe good chemical hygiene practices. Avoid contact with eyes and prolonged skin contact. Avoid eating, drinking and smoking when using the product.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage	Store at moderate temperatures in dry, well ventilated area.
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#### Conditions for safe storage

Requirements for storage rooms and vessels	Storage in gateways, passages, stairways, hallways open to public, roofs, attics, cellars and workrooms is not advisable.
Advice on storage compatibility	No incompatibilities known.

### 7.3. Specific end use(s)

Recommendations	Cf. section 1.2
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Ethanol (EU/EN)	CAS No.: 64-17-5	Limit value (8 h) : 1920 mg/m <sup>3</sup> <b>Exposure limit letter</b> Letter code: WEL <b>Exposure limit letter</b> Letter description: Workplace Exposure Limit Source: Guidance Note EH40 – Occupational Exposure Limits (U.K.)	
Biological limit value	Recommended monitoring procedures: MTA/MA-064/A07: Determination of ethylic alcohol in air. MTA/MA-016/A89: Determination of alcohols (isopropyl alcohol, isobutyl alcohol, n-butyl alcohol) in air.		

### 8.2. Exposure controls

## Safety signs



## Precautionary measures to prevent exposure

Organisational measures to prevent exposure	Thoroughly clean hands, forearms, and face after handling of the product, before eating, drinking and lavatory use, and at the end of the work shift.
Technical measures to prevent exposure	Use engineering controls to reduce air contamination to permissible exposure level.

## Eye / face protection

Eye protection	Wear approved, tight fitting safety glasses where splashing is probable.
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## Hand protection

Hand protection	For prolonged or repeated skin contact use suitable protective gloves.
Suitable materials	Gloves of nitrile rubber, PVA or Viton are recommended.
Unsuitable materials	Leather or textile.
Breakthrough time	Value: >480 min
Thickness of glove material	Value: 0,4 mm
Hand protection, comments	On basis of test data.

## Skin protection

Suitable protective clothing	Generally regular work clothing sufficient.
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## Respiratory protection

Respiratory protection, general	Under normal conditions of use respiratory protection should not be required.
Respiratory protection necessary at	In case of inadequate ventilation or when the product is heated, use suitable respiratory equipment with gas filter (type A2).

## Hygiene / environmental

Specific hygiene measures	No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.
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## SECTION 9: Physical and chemical properties

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

Physical state	Liquid. Non-viscous.
Colour	Clear. Light blue.
Odour	Characteristic. Fresh.

pH	Status: In delivery state Comments: No data recorded.
	Status: In aqueous solution Value: 10
Boiling point / boiling range	Value: 212 °F
Flash point	Value: 118 °F Comments: Test L. 2 on self-sustaining combustion is negative.
Evaporation rate	Comments: No data recorded.
Flammability	No data recorded.
Vapour pressure	Comments: No data recorded.
Vapour density	Comments: No data recorded.
Density	Value: 1 g/cm <sup>3</sup>
Solubility	Medium: Water Comments: Miscible with water.
Decomposition temperature	Comments: No data recorded.
Viscosity	Comments: No data recorded.
Explosive properties	Not explosive
Oxidising properties	Not oxidizing

## 9.2. Other information

Softening point	Comments: No data available
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## Physical hazards

Content of VOC	Value: 7%
Particle size	Comments: Technically not feasible.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Stable in normal conditions.
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### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions under regular storage and handlings conditions known.
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### 10.4. Conditions to avoid

Conditions to avoid	Heating.
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## 10.5. Incompatible materials

Materials to avoid	Strong acids. Strong oxidising substances.
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## 10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Organic decomposition products.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance	Ethanol (EU/EN)
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> 7060 mg/kg  <b>Animal test species:</b> Rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> 3450 mg/kg  <b>Animal test species:</b> Mouse</p>

### Other information regarding health hazards

Inhalation	Drowsiness or mental confusion may occur.
Skin contact	There may be mild irritation at the site of contact. Not Irritating.
Eye contact	There may be irritation and redness.
Ingestion	There may be irritation of the throat.
Toxicokinetics	No data recorded.
General	Immediate effects can be expected after long-term exposure.
Sensitisation	No specific health warnings noted.
Mutagenicity	No specific health warnings noted.
Carcinogenicity, other information	No specific health warnings noted.
Reproductive toxicity	No specific health warnings noted.
Specific target organ toxicity - single exposure, human experience	No data available, probably no subchronic toxicity
Specific target organ toxicity - repeated exposure, human experience	No data available, probably no chronic toxicity
Aspiration hazard, comments	No data recorded.

### Symptoms of exposure

In case of ingestion	There may be irritation of the throat.
In case of skin contact	There may be mild irritation at the site of contact.
In case of inhalation	Drowsiness or mental confusion may occur.
In case of eye contact	There may be irritation and redness.
Other information	Not Irritating.

## SECTION 12: Ecological information

### 12.1. Toxicity

### 12.2. Persistence and degradability

Persistence and degradability description/evaluation	All organic components are considered biodegradable.
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### 12.3. Bioaccumulative potential

Bioaccumulation, comments	The product is not bioaccumulating.
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### 12.4. Mobility in soil

Mobility	No data on possible environmental effects have been found.
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### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
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### 12.6. Other adverse effects

Ozone depletion potential	Comments: Ozone depletion potential not known
Photochemical ozone creation potential	Comments: Ozone formation potential not known
Global warming potential	Comments: Global greenhouse effect not known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Dispose of waste and residues in accordance with local authority requirements. No specific disposal method required.
EWC waste code	EWC waste code: EWC: 200130 detergents other than those mentioned in 20 01 29 Classified as hazardous waste: Yes
EU Regulations	European Waste Inventory according to the Decision 2014/955/EU on the list of waste
Other information	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: Transport information



**14.1. UN number**

Comments	No recommendation given.
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**14.2. UN proper shipping name**

Comments	No recommendation given.
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**14.3. Transport hazard class(es)**

Comments	No recommendation given.
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**14.4. Packing group**

Comments	No recommendation given.
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**14.5. Environmental hazards**

Comments	No recommendation given.
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**14.6. Special precautions for user**

Special safety precautions for user	No recommendation given.
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**14.7. Maritime transport in bulk according to IMO instruments**

Transport in bulk (yes/no)	No
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Product name	No recommendation given.
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**ADR/RID Other information**

Other applicable information ADR/RID	No recommendation given.
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**ADN Other information**

Additional information ADN	No recommendation given.
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**IMDG Other information**

Additional information IMDG	No recommendation given.
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**ICAO/IATA Other information**

Additional information ICAO/IATA	No recommendation given.
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Other transport, general	Unterliegt nicht den internationalen Regeln bzgl. Transport von Gefahrgut (IMDG, ICAO/IATA, ADR/RID).
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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

EEC-directive	Regulation (EC) No. 1907/2006 and Regulation (EC) 2015/830
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	Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures.
	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Detergents	Ingredients according to the Regulation on Detergents 648/2004: less than 5% non-ionic surfactants; contains fragrance; contains dyes.
References (laws/regulations)	UK regulations and guidances: Health and Safety at Work Act 1974. The Management of Health and Safety at Work regulations 1992. L5 Control of substances hazardous to Health. The Control of Substances Hazardous to Health Regulations 2002. Approved codes of practice and guidance. Guidance Note EH40 – Occupational Exposure Limits. BS EN ISO 10882-1:2001 – health and safety in welding and allied processes – sampling of air-borne particles and gases in the operator’s breathing zone – part 1: sampling of airborne particles.

## 15.2. Chemical safety assessment

Chemical safety assessment performed	No
Chemical safety assessment	No data recorded.
Exposure scenarios for mixture	No
Exposure scenario comments	No recommendation given.

## SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	
Training advice	Not relevant.
Recommended restrictions on use	Not relevant.
Additional information	Remark to referred registration numbers used in Section1, 3 and Section 8.1) A) Use of complete Reg.No. (e.g. 01-1234567899-22-0001) indicates that the substance has been registered by the Legal Entity who issued this SDS. B) Use of Reg. No. with four x (e.g. 01-1234567899-22-xxxx) indicates that substance has been registered by one or more stakeholder in the

	<p>supply chain.</p> <p>C) Use of core Reg. No. (e.g. 01-1234567899-22) indicates that free available information from ECHA and other sources on this substance have been used in this SDS.</p> <p>Neither has the issuing Legal Entity conducted a registration for this substance, nor was it registered by any stakeholder in the supply chain.</p>
User notes	<p>In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material, as far as not expressly stated otherwise.</p>
Version	1
Prepared by	<p>Fit4REACH - Likedeelers GmbH Dr. Wolfgang Pahlmann Hallbergstrasse 10 40239 Düsseldorf Germany</p> <p>E-Mail: <a href="mailto:sds@fit4reach.eu">sds@fit4reach.eu</a></p>