



SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 26.10.2015

1.1. Product identifier

Product name Stingray Glass Cleaner UG (EU / EN)

Article no. SRL01 / SRKT1 / SRKT2 / SRKT3

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

Function	Detergent
Product group	Cleaning agents
Use of the substance/preparation	Glass Cleaner - Non-Aerosol
Uses advised against	No specific uses advised against are identified.
The chemical can be used by the general public	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
Tel	+49 (0) 212 2207 0
Fax	+49 (0) 212 2207 137
E-mail	compliance@unger-europe.com
Website	http://www.ungerglobal.com

1.4. Emergency telephone number

Emergency telephone	Business hours: Monday to Thursday 8 am - 5 pm, Friday 8 am - 4 pm: +49 (0) 212 22 07 0
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SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification notes CLP	Acc. to the criteria of the Regulation (EC) No. 1272/2008 (CLP) not classified as hazardous.
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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.
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2.3. Other hazards

Physico-chemical 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
Isopropanol (EU)	CAS no.: 67-63-0 EC no.: 200-661-7 Index no.: 603-117-00-0 Registration number: 01-2119457558-25 Synonyms: Isopropyl alcohol IUPAC name: Propan-2-ol	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE3; H335	< 1 % wt/wt
Alcohols, C9-11 ethoxylated (EU)	CAS no.: 68439-46-3 EC no.: 614-482-0 Registration number: 01-2119980051-45 Synonyms: Alcohols, ethoxylated IUPAC name: Alcohols, C9-11 ethoxylated, < 2.5 EO	Eye Dam. 1; H318	< 1 % wt/wt
Sodium lauryl sulfate (EU)	CAS no.: 151-21-3 EC no.: 205-788-1 Registration number: 01-2119489461-32 Synonyms: Sodium lauryl sulfate IUPAC name: Sodium dodecyl sulfate	Acute tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	< 1 % wt/wt

Description of the mixture: Aqueous solution of organic substances. Clear. Light blue. Non-viscous.

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.
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.

4.3. Indication of any immediate medical attention and special treatment needed

Specific details on antidotes: Decontamination, symptomatic treatment. No special antidote known.

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 ₂). Carbon monoxide (CO). Sulfur dioxide (SO ₂). Sulfur trioxide (SO ₃). 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.
Hazardous combustion products	Cf. section 5

6.1.2. For emergency responders

For emergency responders	In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required.
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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

Cleaning method	Absorb spillage with suitable absorbent material. Sweepup or pickup with an industrial vacuum cleaner, 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

DNEL / PNEC

Recommended monitoring procedures	DFG Air Analysis: Method No. 3 Solvent mixtures. MTA/MA-016/A89: Determination of alcohols (isopropyl alcohol, isobutyl alcohol, n-butyl alcohol) in air. MétroPol Fiche 077: alcool en C3 á C8.
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8.2. Exposure controls

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.

Respiratory protection

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

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

Eye / face protection

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

Skin protection (except hands)	Generally regular work clothing sufficient.
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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	Apple scent.
Comments, pH (as supplied)	No data recorded.
pH (aqueous solution)	Value: 6,5-8,5
Boiling point / boiling range	Value: 100 °C
Comments, Flash point	No data recorded.
Comments, Evaporation rate	No data recorded.
Flammability (solid, gas)	No data recorded.
Comments, Vapour pressure	No data recorded.
Comments, Vapour density	No data recorded.
Density	Value: 1 g/cm ³
Solubility in water	Unlimited miscible
Comments, Decomposition temperature	No data recorded.
Viscosity	Value: 5-10 centipoise
Comments, Viscosity	No data recorded.
Explosive properties	Not explosive
Oxidising properties	Not oxidizing

9.2. Other information

Softening point	Comments: No data available
Content Of Voc	Value: < 0,1

Physical hazards

Comments, Particle size	Technically not feasible.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable in normal conditions.

10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No hazardous reactions under regular storage and handlings conditions known.

10.4. Conditions to avoid

Conditions to avoid Heating.

10.5. Incompatible materials

Materials to avoid Strong acids. Strong oxidising substances.

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 (CO₂). Sulphurous gases (SO_x). Organic decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data No data recorded. ATE (Oral): >5000 mg/kg (calculated)

Potential acute effects

Inhalation Aerosols irritate the respiratory system, and may cause coughing and difficulties in breathing.

Skin contact No specific health warnings noted. Not Irritating.

Eye contact Spray and vapour in the eyes may cause irritation and smarting.

Ingestion No specific health warnings noted.

Aspiration hazard No data recorded.

Delayed effects / repeated exposure

Sensitisation No specific health warnings noted.

STOT-single exposure No data available, probably no subchronic toxicity

STOT-repeated exposure No data available, probably no chronic toxicity

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity No specific health warnings noted.

Mutagenicity No specific health warnings noted.

Teratogenic properties No specific health warnings noted.

Reproductive toxicity No specific health warnings noted.

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability All organic components are considered biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Mobility No data on possible environmental effects have been found.

12.5. Results of PBT and vPvB assessment

PBT assessment results This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of waste and residues in accordance with local authority requirements. No specific disposal method required.
Relevant waste regulation	European Waste Inventory according to the Decision 2014/955/EU on the list of waste

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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product name	No recommendation given.
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Additional information.

Additional information.	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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ADR / RID - Other information

ADR Other information	No recommendation given.
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ADN - Other information

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

IMDG Other information	No recommendation given.
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SECTION 15: Regulatory information

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

Detergents	Ingredients according to the Regulation on Detergents 648/2004: less than 5% anionic surfactants, non-ionic surfactants, perfume.
EEC-directive	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.
References (laws/regulations)	Health and Safety at Work Act 1974. The Managing for health and safety (HSG65) 2013.

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).	H318 Causes Serious eye damage. H302 Harmful if swallowed. H412 Harmful to aquatic life with long lasting effects. H315 Causes skin irritation. H335 May cause respiratory irritation. H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
Training advice	Not relevant.
Recommended restrictions on use	Not relevant.
User notes	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.
Version	1
Responsible for safety data sheet	Unger Germany GmbH