



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	25.09.2019
Revision date	06.04.2022

### 1.1. Product identifier

Product name	Unger Rubout Stain Remover UG (EU / EN)
UFI	QG0U-DUTW-C10X-8XMG
Article no.	RUB20

### 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 to Thursday 8 am - 5 pm, Friday 8 am - 4 pm
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Irrit. 2; H319; On basis of test data
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### 2.2. Label elements

#### Hazard pictograms (CLP)



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P280 Wear eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Other EU labelling requirements	Ingredients according to the Regulation on Detergents (EC) No. 648/2004: more than 5% to less than 15% anionic surfactants, nonionic surfactants. Surfactants biodegradable. Perfumes.

### 2.3. Other hazards

Physicochemical effects	cf. section 9 for physical-chemical information.
Health effect	May be harmful if swallowed. May irritate eyes and skin.
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

Composition type	Mixture			
Substance	Identification	Classification	Contents	Notes
Alcohols, C9-11 ethoxylated (EU)	CAS No.: 68439-46-3 EC No.: 614-482-0	Eye Dam. 1; H318	5 < 10 % wt/wt	

	REACH Reg. No.:		
	01-2119980051-45		
Sodium dodecylbenzene sulfonate (EU)	CAS No.: 25155-30-0 EC No.: 246-680-4	Acute tox. 4; H302 Acute tox. 4; H312 Eye Irrit. 2; H319	5 < 10 % wt/wt
Description of the mixture	Aqueous solution of organic substances. Creme.		

## 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 (200-300 ml). Do not give victim anything to drink if he is unconscious. 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

Information for health personnel	Burning sensation
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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). Hydrocarbons. Organic decomposition products. Sulfur dioxide (SO <sub>2</sub> ). Sulfur trioxide (SO <sub>3</sub> ).

### 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 aerosol formation. 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
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

Cleaning method	Sweep-up or pick-up 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 work-rooms is not admissible.
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

Biological limit value	Recommended monitoring procedures: MDHS 14/8: General methods for
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sampling and gravimetric analyses of respirable and inhalable dust.

## 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.

### Hand protection

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

### Skin protection

Skin protection (except hands)

Generally regular work clothing sufficient.

### Respiratory protection

Respiratory protection

Under normal conditions of use respiration protection should not be required. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

### 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.

## SECTION 9: Physical and chemical properties

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

Physical state

Liquid. Suspension.

Colour

White.

Odour

Characteristic. Mint.

pH

Status: In delivery state  
Comments: No data recorded.

Status: In aqueous solution

	Value: 5 Method: 1% aqueous solution
Boiling point / boiling range	Comments: No data recorded.
Flash point	Comments: No data recorded.
Evaporation rate	Comments: No data recorded.
Flammability	No data recorded.
Vapour pressure	Comments: No data recorded.
Vapour density	Comments: No data recorded.
Density	Value: 1,099
Solubility in water	Unlimited miscible
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	Comments: No data available
Particle size	Comments: No data recorded.

## 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	Protect from moisture.
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### 10.5. Incompatible materials

Materials to avoid	Strong acids.
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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. Sulphurous gases (SO<sub>x</sub>). Organic decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance	Sodium dodecylbenzene sulfonate (EU)
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> 438 mg/kg bodyweight  <b>Animal test species:</b> rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LC50  <b>Route of exposure:</b> Inhalation.  <b>Duration:</b> 4 h  <b>Value:</b> 310 mg/m<sup>3</sup>  <b>Animal test species:</b> rat</p>
Other toxicological data	<p>ATE (Oral) 3133.1 mg/kg bw  ATE (Dermal) 14175.3 mg/kg bw</p>

### Other information regarding health hazards

Inhalation	No specific health warnings noted. Dust may irritate respiratory system.
Skin contact	No specific health warnings noted. Dust has an irritating effect on moist skin. Prolonged contact may cause redness and irritation.
Eye contact	No specific health warnings noted. Prolonged contact may cause redness and/or tearing. Causes serious eye irritation.
Ingestion	No specific health warnings noted. The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed. Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhea.
Eye damage or irritation, test results	<p>Toxicity type: Eye damage  Method: OECD Guideline 437 / EU Method B.47 / Bovine Corneal Opacity and Permeability (BCOP Test)  Species: In-vitro test on bovine cornea (<i>Bos primigenius taurus</i>)  Test reference: Incubation time: 10 minutes at 32±1°C  Negative control: 0.9% sodium chloride solution  Positive control: dimethyl formamide (DMF)  Comments: Negative control: IVIS 0,45  Positive control: IVIS 103,57  Sample: IVIS 15,25  Result: negative / product is not to be classified as eye damaging, but precautionary is to be classified as eye irritating.</p>
Substance	Sodium dodecylbenzene sulfonate (EU)
Eye damage or irritation, test results	<p><b>Toxicity type:</b> Eye damage  <b>Exposure time:</b> 24 Hour  <b>Species:</b> rabbit</p>

	<b>Evaluation result:</b> strongly irritating <b>Comments:</b> 250 µg pure substance applied  <b>Toxicity type:</b> Eye damage <b>Species:</b> rabbit <b>Evaluation result:</b> strongly irritating <b>Comments:</b> 1% aqueous solution applied  <b>Toxicity type:</b> Skin irritation <b>Exposure time:</b> 24 Hour <b>Species:</b> rabbit <b>Evaluation result:</b> moderately irritating <b>Comments:</b> 20 mg pure substance applied
Sensitisation	No specific health warnings noted.
Mutagenicity	No specific health warnings noted.
Carcinogenicity, other information	No specific health warnings noted.
Teratogenic properties	No specific health warnings noted.
Reproductive toxicity	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
Aspiration hazard	No information required.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Sodium dodecylbenzene sulfonate (EU)
Aquatic toxicity, fish	<b>Value:</b> 1,18 ppm <b>Test duration:</b> 96 hours <b>Species:</b> Lepomis macrochirus <b>Method:</b> unknown <b>Test reference:</b> freshwater
Substance	Sodium dodecylbenzene sulfonate (EU)
Aquatic toxicity, algae	<b>Value:</b> 112,4 mg/l <b>Test duration:</b> 72 hours <b>Species:</b> Pseudokirchnerella subcapitata <b>Method:</b> unknown
Substance	Sodium dodecylbenzene sulfonate (EU)
Aquatic toxicity, crustacean	<b>Value:</b> 5,88 ppm <b>Test duration:</b> 48 hours <b>Species:</b> Daphnia magna <b>Method:</b> unknown <b>Test reference:</b> freshwater

### 12.2. Persistence and degradability

Persistence and degradability, comments	All organic components are considered biodegradable.
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### 12.3. Bioaccumulative potential

Bioaccumulative potential	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

PBT assessment results	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
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Photochemical ozone creation potential	Comments: Ozone formation potential not known
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Global warming potential	Comments: Global greenhouse effect not known
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## 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.
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Relevant waste regulation	European Waste Inventory according to the Decision 2014/955/EU on the list of waste
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Hazardous waste packing	Submit the contaminated packagings to take-back systems or to a regulated recycling or disposal by an approved disposal company.
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Product classified as hazardous waste	No
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Packaging classified as hazardous waste	No
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EWC waste code	EWC: 070601 aqueous washing liquids and mother liquors
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## 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**

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 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**

EEC-directive	Asetus (EY) N: o 1907/2006 Asetus (EU) 2015/830 Tietojen arviointimenetelmät (asetuksen (EY) N: o 1272/2008 9 artikla) Valmisteen sisältämä pinta-aktiivinen aine (aineet) täyttää pesuaineista annetun (EY):n asetuksen N:o 648/2004 mukaiset biologisen hajoavuuden kriteerit. Tiedot, jotka tukevat edellistä väittämää, pidetään jäsenmaiden toimivaltaisten viranomaisten saatavilla ja ne toimitetaan heille heidän pyynnöstään tai pesuainevalmistajan pyynnöstä.
National regulations	1129/2001 Ympäristöministeriön asetus yleisimpien jätteiden sekä ongelmajätteiden luettelosta. 59/1999 Asetus vaarallisten kemikaalien teollisesta käsittelystä ja varastoinnista. 715/2001 Valtioneuvoston asetus kemiallisista tekijöistä työssä. 716/2000 Valtioneuvoston asetus työhön liittyvän syöpävaaran torjunnasta, myöhempine muutoksineen. 837/2005. Valtioneuvoston asetus orgaanisten liuottimien käytöstä eräissä maaleissa ja lakoissa sekä ajoneuvojen korjausmaalaustuotteissa aiheutuvien haihtuvien orgaanisten yhdisteiden päästöjen rajoittamisesta. 807/2001 Sosiaali- ja terveysministeriön asetus kemikaalien luokitusperusteista ja merkintöjen tekemisestä, myöhempine muutoksineen.

References (laws/regulations)	302/2007. Sosiaali- ja terveystieteiden ministeriön asetus nuorille työntekijöille vaarallisten töiden esimerkkiluettelosta.
	Other 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)	H302 Harmful if swallowed. H312 Harmful in contact with skin. H318 Causes serious eye damage. H319 Causes serious eye irritation.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Irrit. 2; H319; On basis of test data
Training advice	No information required.
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.
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