

Product name:	CONCENTRATED SOAP SOLUTION	Page:	1/9
Revision:	2020-01-10	Print date:	2020-01-10
Document No.:	M0053	SDS-ID:	GB-EN/20.0

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### **1.1. Product identifier**

Product name: CONCENTRATED SOAP SOLUTION  
Cat. No. 49900000

Container size: 1 l

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

Application: For automatic and ultrasonic cleaning of metallographic specimens.

Uses advised against: No specific uses advised against are identified. (\*)

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

Supplier: Struers ApS  
Pederstrupvej 84  
DK-2750 Ballerup  
Tel:+45 44 600 800

Responsible for safety data sheet authoring: Responsible for safety data sheet authoring: DHI  
Any questions to the contents of this safety data sheet should be sent to:  
struers@struers.dk

### **1.4. Emergency telephone number**

NHS: 111  
  
+45 44 600 800  
(Only during office hours)

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## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP: Eye Dam. 1;H318

### 2.2. Label elements



Danger

**Contains:** Alcohol, C9-11 ethoxylated  
H318 Causes serious eye damage.  
P280 Wear protective gloves, eye and face 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.  
P310 Immediately call a POISON CENTER/doctor.  
The product contains:  
5% or over but less than 15%: non-ionic surfactants  
Less than 5%: anionic surfactants, soap, BENZISOTHIAZOLINONE

### 2.3. Other hazards

Prolonged skin contact may cause redness and irritation. Mist may irritate throat and respiratory system.

PBT/vPvB: No information available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

The product contains: anionic surfactants, non-ionic surfactants, soap, glycols, water and preservative.

CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
5-15	68439-46-3	614-482-0	-	Alcohol, C9-11 ethoxylated	Eye Dam. 1;H318	
1-5	112-34-5	203-961-6	01-2119475104-44-xxxx	Diethylene glycol monobutyl ether	Eye Irrit. 2;H319	
1-5	68585-34-2	500-223-8	-	Sodium lauryl ether sulfate	Skin Irrit. 2;H315 Eye Irrit. 2;H319	
<0,005	2634-33-5	220-120-9	-	1,2-Benzisothiazolin-3-one	Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Dam. 1;H318 Skin Sens. 1;H317 Aquatic Acute 1;H400	

References: The full text for all hazard statements is displayed in section 16.

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## SECTION 4: FIRST AID MEASURES

### **4.1. Description of first aid measures**

Inhalation: In case of inhalation of spray mist: Move person into fresh air and keep at rest.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact: Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital. Bring these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions. Do not induce vomiting.

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

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

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

Medical attention/treatments: Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

Extinguishing media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

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

Specific hazards: In case of fire, toxic gases may be formed.

### **5.3. Advice for firefighters**

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For non-emergency personnel: Avoid inhalation of spray mist and contact with skin and eyes. For personal protection, see section 8.

For emergency responders: No specific recommendations. For personal protection, see section 8.

### **6.2. Environmental precautions**

Environmental precautions: Avoid discharge onto the ground.

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up: Absorb spillage with suitable absorbent material.

### **6.4. Reference to other sections**

References: For personal protection, see section 8. For waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Safe handling advice: Avoid inhalation of spray mists and contact with skin and eyes. Observe good chemical hygiene practices.

Technical measures: Work practice should minimise contact.

Technical precautions: Local exhaust is recommended.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in tightly closed original container. Store at room temperature.

### 7.3. Specific end use(s)

Specific use(s): No information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>		<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
112-34-5	2-(2-Butoxyethoxy) ethanol	-	10 ppm	67.5 mg/m <sup>3</sup>	TWA	-	EH40
		-	15 ppm	101.2 mg/m <sup>3</sup>	STEL	15min	

### 8.2. Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. Local exhaust is recommended.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment. Use respiratory equipment with combination filter, type A2/P2.

Hand protection: Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.  
Breakthrough time: > 60 min (\*)

Eye protection: Wear goggles/face shield.

Skin protection: Wear apron or protective clothing in case of splashes.

Hygiene measures: Wash hands after handling.

Environmental Exposure Controls: Not available.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Form: Liquid.  
Colour: Yellow.  
Odour: characteristic  
Odour threshold: Not available.  
pH: 11,2  
10 (10%)  
Melting point: Not available.  
Boiling point: Not available.  
Flash point: Not available.  
Evaporation rate: Not available.  
Flammability (solid, gas): Not available.  
Explosive limits Not available.  
Vapour pressure: Not available.  
Vapour density: Not available.  
Relative density: 1,03  
Solubility: soluble in water  
Partition coefficient (n-octanol/water): Not available.  
Auto-ignition temperature (°C): Not available.  
Decomposition temperature (°C): Not available.  
Viscosity: Not available.  
Explosive properties: Not available.  
Oxidising properties: Not available.

### 9.2. Other information

Other data: Volatile Organic Compound (VOC): 50.2 g/l (calculated)

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## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

Reactivity: No data available.

### **10.2. Chemical stability**

Stability: Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous Reactions: None under normal conditions.

### **10.4. Conditions to avoid**

Conditions/materials to avoid: Heating.

### **10.5. Incompatible materials**

Incompatible materials: Strong oxidising substances, strong acids and strong bases.

### **10.6. Hazardous decomposition products**

Hazardous decomposition products: In case of fire, toxic gases may be formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological effects**

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

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

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.

Inhalation: Spray mist may irritate the respiratory system.

Skin contact: Prolonged contact may cause redness and irritation.

Ingestion: May irritate and cause malaise.

Specific effects: Risk of long-term effects is expected to be minimal from occupational exposure.

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## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Ecotoxicity: The product is not expected to be toxic to aquatic organisms.

### **12.2. Persistence and degradability**

Degradability: The product is readily biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: Diethylene glycol monobutyl ether: log Pow 0,56

### **12.4. Mobility in soil**

Mobility: Diethylene glycol monobutyl ether: log Koc=0,521864

### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB: No information available.

### **12.6. Other adverse effects**

Other adverse effects: No information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Waste from residues: Dispose of waste and residues in accordance with local authority requirements.  
Waste is classified as hazardous waste.

EWC-code: 16 05 06

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

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## SECTION 14: TRANSPORT INFORMATION

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

### **14.1. UN number**

UN-No: -

### **14.2. UN proper shipping name**

Proper Shipping Name: -

### **14.3. Transport hazard class(es)**

Class: -

### **14.4. Packing group**

PG: -

### **14.5. Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

### **14.6. Special precautions for user**

Special precautions: None known.

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk: Not relevant.

## SECTION 15: REGULATORY INFORMATION

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

National regulation: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.  
Statutory Instruments 2008 No. 2852 - The REACH Enforcement Regulations 2008.  
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.  
EH40/2005, Workplace exposure limits 2005, with amendments.  
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.  
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

### **15.2. Chemical Safety Assessment**

CSA status: No chemical safety assessment has been carried out.

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## SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1, 8.  
The (\*) indicates the changes made with respect to the previous version.

Approved by DHI.

Allan Vorup

Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.  
vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to Regulation (EC) No. 1272/2008:  
Calculation method.

### Wording of H-statements:

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

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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.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).

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