

**Creation Date** 26-Jun-2020

**Revision Date** 22-Mar-2024

**Revision Number** 3

## COVER SHEET FOR KIT

|                            |  |
|----------------------------|--|
| Company                    | Avocado Research Chemicals Ltd.<br>(Part of Thermo Fisher Scientific)<br>Shore Road, Heysham<br>Lancashire, LA3 2XY,<br>United Kingdom<br>Office Tel: +44 (0) 1524 850506<br>Office Fax: +44 (0) 1524 850608 |
| Emergency Telephone Number | Call Carechem 24 at<br>+44 (0) 1865 407333 (English only);<br>+44 (0) 1235 239670 (Multi-language)   |
| E-mail address             | uktech@alfa.com<br>www.alfa.com<br>Product Safety Department   |
| Product Information        |  |
| Product Description:       | Cleaning Kit for Laboratory Crucibles  |
| Cat No. :                  | 37995  |
| Recommended Use            | Cleaning agent   |
| Uses advised against       | All other uses   |
| Components                 |  |
| Description                | Cleaning solution - 37995<br>Abrasive pad - 37995A<br>Zircon sand - 37995B   |
| Transport information      | Not regulated  |

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

### 1.1. Product identifier

**Product Description:** Cleaning Liquid  
**Cat No. :** 37995

**Unique Formula Identifier (UFI)** 4N4U-Q68D-AX0U-F3Q2

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

**Recommended Use** Laboratory chemicals.  
**Uses advised against** No Information available

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

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## Company

Avocado Research Chemicals Ltd.  
(Part of Thermo Fisher Scientific)  
Shore Road, Heysham  
Lancashire, LA3 2XY,  
United Kingdom  
Office Tel: +44 (0) 1524 850506  
Office Fax: +44 (0) 1524 850608

## E-mail address

begel.sdsdesk@thermofisher.com

## 1.4. Emergency telephone number

For information **US** call: 001-800-227-6701 / **Europe** call: +32 14 57 52 11  
Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99  
**CHEMTREC** Tel. No. **US**:001-800-424-9300 / **Europe**:001-703-527-3887

## Poison Centre - Emergency information services

**Ireland** : National Poisons Information Centre (NPIC) -  
**01 809 2166** (8am-10pm, 7 days a week)  
**Malta** : +356 2395 2000  
**Cyprus** : +357 2240 5611

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

##### Physical hazards

Based on available data, the classification criteria are not met

##### Health hazards

Skin Corrosion/Irritation

Category 2 (H315)

Serious Eye Damage/Eye Irritation

Category 1 (H318)

##### Environmental hazards

Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16

### 2.2. Label elements



Signal Word

Danger

#### Hazard Statements

H315 - Causes skin irritation

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H318 - Causes serious eye damage

## Precautionary Statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

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 or doctor/physician

## 2.3. Other hazards

This product does not contain any known or suspected endocrine disruptors

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

| Component                                 | CAS No     | EC No             | Weight %  | CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567 |
|---|------------|-------------------|-----------|---|
| Water                                     | 7732-18-5  | 231-791-2         | > 60      | -   |
| Sodium dodecylbenzenesulfonate            | 25155-30-0 | EEC No. 246-680-4 | 10 - 20   | Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302)                        |
| Alcohols, C12-15, ethoxylated             | 68131-39-5 |                   | 10 - 20   | -   |
| Sodium silicate (Mol ratio =>1.6 - <=2.6) | 1344-09-8  | EEC No. 215-687-4 | 1-3       | Skin Irrit. 2 (H315)<br>Eye Irrit. 1 (H318)<br>STOT SE 3 (H335)                         |
| Fatty acids, coco, sodium salts           | 61789-31-9 | EEC No. 263-050-4 | 1 - 5     | -   |
| Sodium hydroxide                          | 1310-73-2  | 215-185-5         | 0.1 - 0.5 | Met. Corr. 1 (H290)<br>Skin Corr. 1A (H314)<br>Eye Dam. 1 (H318)                        |

| Component        | Specific concentration limits (SCL's)  | M-Factor | Component notes |
|------------------|--|----------|-----------------|
| Sodium hydroxide | Skin Corr. 1A :: C>=5%<br>Skin Corr. 1B :: 2%<=C<5%<br>Met. Corr. 1 :: C ≥ 2%<br>Eye Irrit. 2 :: 0.5%<=C<2%<br>Skin Irrit. 2 :: 0.5%<=C<2% | -        | -               |

Full text of Hazard Statements: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General Advice

If symptoms persist, call a physician.

#### Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

#### Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

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|   |  |
|---|--|
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Get medical attention.               |
| <b>Inhalation</b>                         | Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.                                     |
| <b>Self-Protection of the First Aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. |

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

None reasonably foreseeable. Causes severe eye damage.

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

**Notes to Physician** Treat symptomatically.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

#### **Extinguishing media which must not be used for safety reasons**

No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors.

#### **Hazardous Combustion Products**

None under normal use conditions.

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

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Ensure adequate ventilation. Use personal protective equipment as required.

### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so.

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

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

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

Refer to protective measures listed in Sections 8 and 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

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

Do not freeze. Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

Use in laboratories

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure limits

List source(s): **UK** - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020. **IRE** - 2021 Code of Practice for the Chemical Agents Regulations, Schedule 1. Published by the Health and Safety Authority

| Component        | The United Kingdom       | European Union | Ireland                          |
|------------------|--------------------------|----------------|----------------------------------|
| Sodium hydroxide | 2 mg/m <sup>3</sup> STEL |                | STEL: 2 mg/m <sup>3</sup> 15 min |

#### Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

#### Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

| Component  | Acute effects local (Dermal)  | Acute effects systemic (Dermal) | Chronic effects local (Dermal) | Chronic effects systemic (Dermal) |
|--|-------------------------------|---------------------------------|--------------------------------|-----------------------------------|
| Sodium dodecylbenzenesulfonate 25155-30-0 ( 10 - 20 )      | DNEL = 1.57mg/cm <sup>2</sup> | DNEL = 80mg/kg bw/day           | DNEL = 1.57mg/cm <sup>2</sup>  | DNEL = 57.2mg/kg bw/day           |
| Alcohols, C12-15, ethoxylated 68131-39-5 ( 10 - 20 )       |                               |                                 |                                | DNEL = 2080mg/kg bw/day           |
| Sodium silicate (Mol ratio =>1.6 - <=2.6 1344-09-8 ( 1-3 ) |                               |                                 |                                | DNEL = 1.59mg/kg bw/day           |

| Component   | Acute effects local (Inhalation) | Acute effects systemic (Inhalation) | Chronic effects local (Inhalation) | Chronic effects systemic (Inhalation) |
|---|----------------------------------|-------------------------------------|------------------------------------|---------------------------------------|
| Sodium dodecylbenzenesulfonate 25155-30-0 ( 10 - 20 ) | DNEL = 52mg/m <sup>3</sup>       | DNEL = 52mg/m <sup>3</sup>          | DNEL = 52mg/m <sup>3</sup>         | DNEL = 52mg/m <sup>3</sup>            |
| Alcohols, C12-15, ethoxylated 68131-39-5 ( 10 - 20 )  |                                  |                                     |                                    | DNEL = 294mg/m <sup>3</sup>           |

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|  |  |  |                           |                              |
|--|--|--|---------------------------|------------------------------|
| Sodium silicate (Mol ratio =>1.6<br>- <=2.6<br>1344-09-8 ( 1-3 ) |  |  |                           | DNEL = 5.61mg/m <sup>3</sup> |
| Sodium hydroxide<br>1310-73-2 ( 0.1 - 0.5 )                      |  |  | DNEL = 1mg/m <sup>3</sup> |                              |

## Predicted No Effect Concentration (PNEC)

See values below.

| Component   | Fresh water       | Fresh water sediment          | Water Intermittent | Microorganisms in sewage treatment | Soil (Agriculture)     |
|---|-------------------|-------------------------------|--------------------|------------------------------------|------------------------|
| Sodium dodecylbenzenesulfonate<br>25155-30-0 ( 10 - 20 )      | PNEC = 0.693mg/L  | PNEC = 27.5mg/kg sediment dw  | PNEC = 0.654mg/L   | PNEC = 50mg/L                      | PNEC = 25mg/kg soil dw |
| Alcohols, C12-15, ethoxylated<br>68131-39-5 ( 10 - 20 )       | PNEC = 0.0514mg/L | PNEC = 81.64mg/kg sediment dw | PNEC = 0.0014mg/L  | PNEC = 10g/L                       | PNEC = 1mg/kg soil dw  |
| Sodium silicate (Mol ratio =>1.6 - <=2.6<br>1344-09-8 ( 1-3 ) | PNEC = 7.5mg/L    |                               | PNEC = 7.5mg/L     | PNEC = 348mg/L                     |                        |

| Component   | Marine water      | Marine water sediment        | Marine water intermittent | Food chain          | Air                        |
|---|-------------------|------------------------------|---------------------------|---------------------|----------------------------|
| Sodium dodecylbenzenesulfonate<br>25155-30-0 ( 10 - 20 )      | PNEC = 1mg/L      | PNEC = 2.75mg/kg sediment dw |                           | PNEC = 20mg/kg food | PNEC = 10mg/m <sup>3</sup> |
| Alcohols, C12-15, ethoxylated<br>68131-39-5 ( 10 - 20 )       | PNEC = 0.0051mg/L | PNEC = 8.16mg/kg sediment dw | PNEC = 0.00014mg/L        |                     |                            |
| Sodium silicate (Mol ratio =>1.6 - <=2.6<br>1344-09-8 ( 1-3 ) | PNEC = 1mg/L      |                              |                           |                     |                            |

## 8.2. Exposure controls

### Engineering Measures

Ensure that eyewash stations and safety showers are close to the workstation location.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

### Personal protective equipment

#### Eye Protection

Goggles (European standard - EN 166)

#### Hand Protection

Protective gloves

| Glove material | Breakthrough time                 | Glove thickness | EU standard | Glove comments        |
|----------------|-----------------------------------|-----------------|-------------|-----------------------|
| Natural rubber | See manufacturers recommendations | -               | EN 374      | (minimum requirement) |
| Nitrile rubber |                                   |                 |             |                       |
| Neoprene       |                                   |                 |             |                       |
| PVC            |                                   |                 |             |                       |

#### Skin and body protection

Long sleeved clothing.

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

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Remove gloves with care avoiding skin contamination.

## Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly

## Large scale/emergency use

Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced  
**Recommended Filter type:** Particulates filter conforming to EN 143

## Small scale/Laboratory use

Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.  
**Recommended half mask:-** Particle filtering: EN149:2001  
When RPE is used a face piece Fit Test should be conducted

**Environmental exposure controls** No information available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|   |                          |  |
|---|--------------------------|--|
| Physical State                          | Liquid                   |  |
| Appearance                              |                          |  |
| Odor                                    | No information available |  |
| Odor Threshold                          | No data available        |  |
| Melting Point/Range                     | No data available        |  |
| Softening Point                         | No data available        |  |
| Boiling Point/Range                     | No information available |  |
| Flammability (liquid)                   | No data available        |  |
| Flammability (solid,gas)                | Not applicable           | Liquid                                   |
| Explosion Limits                        | No data available        |  |
| Flash Point                             | > 93.4 °C / 200.1 °F     | <b>Method -</b> No information available |
| Autoignition Temperature                | No data available        |  |
| Decomposition Temperature               | No data available        |  |
| pH                                      | 12.3                     |  |
| Viscosity                               | No data available        |  |
| Water Solubility                        | Miscible                 |  |
| Solubility in other solvents            | No information available |  |
| Partition Coefficient (n-octanol/water) |                          |  |
| Component                               | <b>log Pow</b>           |  |
| Sodium dodecylbenzenesulfonate          | 0.45                     |  |
| Vapor Pressure                          | No data available        |  |
| Density / Specific Gravity              | 1.043                    |  |
| Bulk Density                            | Not applicable           | Liquid                                   |
| Vapor Density                           | No data available        | (Air = 1.0)                              |
| Particle characteristics                | Not applicable (liquid)  |  |

### 9.2. Other information

VOC Content(%) 0

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

None known, based on information available

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## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

### Hazardous Polymerization Hazardous Reactions

No information available.  
None under normal processing.

## 10.4. Conditions to avoid

Incompatible products. Excess heat.

## 10.5. Incompatible materials

None known.

## 10.6. Hazardous decomposition products

None under normal use conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Product Information

#### (a) acute toxicity;

Oral

Based on available data, the classification criteria are not met

Dermal

Based on available data, the classification criteria are not met

Inhalation

Based on available data, the classification criteria are not met

#### Toxicology data for the components

| Component                                | LD50 Oral                                | LD50 Dermal                  | LC50 Inhalation                          |
|--|--|------------------------------|--|
| Water                                    | -  | -                            | -  |
| Sodium dodecylbenzenesulfonate           | LD50 = 438 mg/kg ( Rat )                 | -                            | LC50 = 310 mg/m <sup>3</sup> ( Rat ) 4 h |
| Alcohols, C12-15, ethoxylated            | LD50 = 1600 mg/kg ( Rat )                | LD50 = 2500 mg/kg ( Rabbit ) | -  |
| Sodium silicate (Mol ratio =>1.6 - <=2.6 | 1153 mg/kg ( Rat )<br>1960 mg/kg ( Rat ) | LD50 = 4640 mg/kg (rabbit)   | -  |
| Sodium hydroxide                         | 140 - 340 mg/kg ( Rat )                  | 1350 mg/kg ( Rabbit )        | -  |

#### (b) skin corrosion/irritation;

Category 2

#### (c) serious eye damage/irritation;

Category 1

#### (d) respiratory or skin sensitization;

Respiratory

No data available

Skin

No data available

#### (e) germ cell mutagenicity;

No data available

#### (f) carcinogenicity;

No data available

There are no known carcinogenic chemicals in this product



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(g) reproductive toxicity; No data available

(h) STOT-single exposure; No data available

(i) STOT-repeated exposure; No data available

Target Organs None known.

(j) aspiration hazard; No data available

Symptoms / effects, both acute and delayed No information available.

## 11.2. Information on other hazards

**Endocrine Disrupting Properties** Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity Ecotoxicity effects

| Component                                | Freshwater Fish   | Water Flea | Freshwater Algae |
|--|---|------------|------------------|
| Sodium dodecylbenzenesulfonate           | LC50: = 10.8 mg/L, 96h static (Oncorhynchus mykiss)   |            |                  |
| Sodium silicate (Mol ratio =>1.6 - <=2.6 | LC50: = 3185 mg/L, 96h semi-static (Brachydanio rerio)<br>LC50: 301 - 478 mg/L, 96h (Lepomis macrochirus) |            |                  |
| Sodium hydroxide                         | LC50 = 45.4 mg/L, 96h static (Oncorhynchus mykiss)  |            |                  |

### 12.2. Persistence and degradability

#### Persistence

Miscible with water, Persistence is unlikely, based on information available.

### 12.3. Bioaccumulative potential

Bioaccumulation is unlikely

| Component                      | log Pow | Bioconcentration factor (BCF) |
|--------------------------------|---------|-------------------------------|
| Sodium dodecylbenzenesulfonate | 0.45    | 130 L/kg                      |

### 12.4. Mobility in soil

The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils

### 12.5. Results of PBT and vPvB assessment

No data available for assessment.

### 12.6. Endocrine disrupting properties

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**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors

**12.7. Other adverse effects**

**Persistent Organic Pollutant**

This product does not contain any known or suspected substance

**Ozone Depletion Potential**

This product does not contain any known or suspected substance

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Waste from Residues/Unused Products**

Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

**Contaminated Packaging**

Dispose of this container to hazardous or special waste collection point.

**European Waste Catalogue (EWC)**

According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

**Other Information**

Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains. Do not flush to sewer. Solutions with high pH-value must be neutralized before discharge.

## SECTION 14: TRANSPORT INFORMATION

**IMDG/IMO**

Not regulated

**14.1. UN number**

**14.2. UN proper shipping name**

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

**14.4. Packing group**

**ADR**

Not regulated

**14.1. UN number**

**14.2. UN proper shipping name**

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

**14.4. Packing group**

**IATA**

Not regulated

**14.1. UN number**

**14.2. UN proper shipping name**

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

**14.4. Packing group**

**14.5. Environmental hazards**

No hazards identified

**14.6. Special precautions for user**

No special precautions required.

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable, packaged goods

## SECTION 15: REGULATORY INFORMATION

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

### International Inventories

China, X = listed, Australia, U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (KECL), China (IECSC), Japan (ENCS), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component                                 | CAS No     | EINECS    | ELINCS | NLP       | IECSC | TCSI | KECL     | ENCS | ISHL |
|---|------------|-----------|--------|-----------|-------|------|----------|------|------|
| Water                                     | 7732-18-5  | 231-791-2 | -      | -         | X     | X    | KE-35400 | X    | -    |
| Sodium dodecylbenzenesulfonate            | 25155-30-0 | 246-680-4 | -      | -         | X     | X    | KE-12954 | X    | X    |
| Alcohols, C12-15, ethoxylated             | 68131-39-5 | -         | -      | 500-195-7 | X     | X    | KE-13388 | X    | X    |
| Sodium silicate (Mol ratio =>1.6 - <=2.6) | 1344-09-8  | 215-687-4 | -      | -         | X     | X    | KE-31002 | X    | X    |
| Fatty acids, coco, sodium salts           | 61789-31-9 | 263-050-4 | -      | -         | X     | X    | KE-14682 | -    | -    |
| Sodium hydroxide                          | 1310-73-2  | 215-185-5 | -      | -         | X     | X    | KE-31487 | X    | X    |

| Component                                 | CAS No     | TSCA | TSCA Inventory notification - Active-Inactive | DSL | NDSL | AICS | NZIoC | PICCS |
|---|------------|------|---|-----|------|------|-------|-------|
| Water                                     | 7732-18-5  | X    | ACTIVE  | X   | -    | X    | X     | X     |
| Sodium dodecylbenzenesulfonate            | 25155-30-0 | X    | ACTIVE  | X   | -    | X    | X     | X     |
| Alcohols, C12-15, ethoxylated             | 68131-39-5 | X    | ACTIVE  | X   | -    | X    | X     | X     |
| Sodium silicate (Mol ratio =>1.6 - <=2.6) | 1344-09-8  | X    | ACTIVE  | X   | -    | X    | X     | X     |
| Fatty acids, coco, sodium salts           | 61789-31-9 | X    | ACTIVE  | X   | -    | X    | X     | X     |
| Sodium hydroxide                          | 1310-73-2  | X    | ACTIVE  | X   | -    | X    | X     | X     |

Legend: X - Listed '-' - Not Listed

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

### Authorisation/Restrictions according to EU REACH

| Component                                 | CAS No     | REACH (1907/2006) - Annex XIV - Substances Subject to Authorization | REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances | REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC) |
|---|------------|---|---|---|
| Water                                     | 7732-18-5  | -   | -   | -   |
| Sodium dodecylbenzenesulfonate            | 25155-30-0 | -   | -   | -   |
| Alcohols, C12-15, ethoxylated             | 68131-39-5 | -   | -   | -   |
| Sodium silicate (Mol ratio =>1.6 - <=2.6) | 1344-09-8  | -   | -   | -   |
| Fatty acids, coco, sodium salts           | 61789-31-9 | -   | -   | -   |
| Sodium hydroxide                          | 1310-73-2  | -   | Use restricted. See item 75. (see link for restriction details)               | -   |

### REACH links

<https://echa.europa.eu/substances-restricted-under-reach>

### Seveso III Directive (2012/18/EC)

| Component                                 | CAS No     | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements |
|---|------------|---|--|
| Water                                     | 7732-18-5  | Not applicable  | Not applicable   |
| Sodium dodecylbenzenesulfonate            | 25155-30-0 | Not applicable  | Not applicable   |
| Alcohols, C12-15, ethoxylated             | 68131-39-5 | Not applicable  | Not applicable   |
| Sodium silicate (Mol ratio =>1.6 - <=2.6) | 1344-09-8  | Not applicable  | Not applicable   |

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|                                 |            |                |                |
|---------------------------------|------------|----------------|----------------|
| Fatty acids, coco, sodium salts | 61789-31-9 | Not applicable | Not applicable |
| Sodium hydroxide                | 1310-73-2  | Not applicable | Not applicable |

**Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals**

Not applicable

**Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)?**

Not applicable

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

## National Regulations

**UK** - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

## WGK Classification

Water endangering class = 2 (self classification)

| Component                                | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|--|---------------------------------------|-------------------------|
| Sodium dodecylbenzenesulfonate           | WGK2                                  |                         |
| Alcohols, C12-15, ethoxylated            | WGK2                                  |                         |
| Sodium silicate (Mol ratio =>1.6 - <=2.6 | WGK1                                  |                         |
| Fatty acids, coco, sodium salts          | WGK1                                  |                         |
| Sodium hydroxide                         | WGK1                                  |                         |

| Component   | Switzerland - Ordinance on the Reduction of Risk from handling of hazardous substances preparation (SR 814.81) | Switzerland - Ordinance on Incentive Taxes on Volatile Organic Compounds (OVOC) | Switzerland - Ordinance of the Rotterdam Convention on the Prior Informed Consent Procedure |
|---|--|---|---|
| Sodium dodecylbenzenesulfonate 25155-30-0 ( 10 - 20 ) | Prohibited and Restricted Substances   |   |   |
| Sodium hydroxide 1310-73-2 ( 0.1 - 0.5 )              | Prohibited and Restricted Substances   |   |   |

## 15.2. Chemical safety assessment

Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

## SECTION 16: OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3

H290 - May be corrosive to metals

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

# SAFETY DATA SHEET

Cleaning Liquid

Revision Date 22-Mar-2024

## Legend

**CAS** - Chemical Abstracts Service

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**IECSC** - Chinese Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**ENCS** - Japanese Existing and New Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**WEL** - Workplace Exposure Limit

**ACGIH** - American Conference of Governmental Industrial Hygienists

**DNEL** - Derived No Effect Level

**RPE** - Respiratory Protective Equipment

**LC50** - Lethal Concentration 50%

**NOEC** - No Observed Effect Concentration

**PBT** - Persistent, Bioaccumulative, Toxic

**TWA** - Time Weighted Average

**IARC** - International Agency for Research on Cancer  
Predicted No Effect Concentration (PNEC)

**LD50** - Lethal Dose 50%

**EC50** - Effective Concentration 50%

**POW** - Partition coefficient Octanol:Water

**vPvB** - very Persistent, very Bioaccumulative

**ADR** - European Agreement Concerning the International Carriage of Dangerous Goods by Road

**IMO/MDG** - International Maritime Organization/International Maritime Dangerous Goods Code

**OECD** - Organisation for Economic Co-operation and Development

**BCF** - Bioconcentration factor

### **Key literature references and sources for data**

<https://echa.europa.eu/information-on-chemicals>

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

**ICAO/IATA** - International Civil Aviation Organization/International Air Transport Association

**MARPOL** - International Convention for the Prevention of Pollution from Ships

**ATE** - Acute Toxicity Estimate

**VOC** - (Volatile Organic Compound)

### **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

**Physical hazards** On basis of test data

**Health Hazards** Calculation method

**Environmental hazards** Calculation method

### **Training Advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

**Prepared By** Health, Safety and Environmental Department

**Creation Date** 26-Jun-2020

**Revision Date** 22-Mar-2024

**Revision Summary** New emergency telephone response service provider.

**This safety data sheet complies with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.**

### **Disclaimer**

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**End of Safety Data Sheet**