

**Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Date of issue: 16/11/2016 Revision date: 22/03/2022 Supersedes version of: 21/02/2019 Version: 1.4

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Name : Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free  
Trade name : Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX  
Product code : SOAP-107  
Type of product : Detergent

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Laboratory use, Detergent

**1.2.2. Uses advised against**

No additional information available

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

labbox labware s.l.  
Migjorn, 1  
P.O. Box Barcelona (SPAIN)  
08338 Premia de Dalt – SPAIN  
ES  
T +34 937 07 79 70 - F +34 937 909 532  
[info@labbox.com](mailto:info@labbox.com) - [www.labbox.com](http://www.labbox.com)

**1.4. Emergency telephone number**

Emergency number : +34 937 077 970 ( Technic information.Office hours.) Servicio de Información Toxicológica (Instituto Nacional de Toxicología y Ciencias Forenses) Teléfono: +34 91 5620420. Información en español (24h/365 días). Únicamente con la finalidad de proporcionar respuesta sanitaria en caso de urgencia ( ONLY IN CASE OF EMERGENCY)™

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

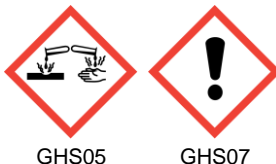
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 1 H318  
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335  
Full text of H and EUH statements: see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |  |
|--------------------------------|--|
| Signal word (CLP)              | : Danger   |
| Contains                       | : TETRASODIUM GLUTAMATE DIACETATE, SODIUM CARBONATE, SODIUM SILICATE, SODIUM HYDROXIDE   |
| Hazard statements (CLP)        | : H315 - Causes skin irritation.<br>H318 - Causes serious eye damage.<br>H335 - May cause respiratory irritation.  |
| Precautionary statements (CLP) | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of soap and water.<br>P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P309+P311 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %    | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|------|---|
| Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free | -   | 100  | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335      |
| SODIUM CARBONATE  | CAS-No.: 497-19-8<br>EC-No.: 207-838-8<br>EC Index-No.: 011-005-00-2                                | < 60 | Eye Irrit. 2, H319  |
| SODIUM SILICATE   | CAS-No.: 1344-09-8<br>EC-No.: 215-687-4   | < 30 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335      |
| TETRASODIUM GLUTAMATE DIACETATE   | CAS-No.: 51981-21-6<br>EC-No.: 257-573-7  | < 15 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                       |
| SODIUM HYDROXIDE  | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | < 5  | Skin Corr. 1A, H314   |

# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Specific concentration limits: |   |   |
|--------------------------------|---|---|
| Name                           | Product identifier  | Specific concentration limits   |
| SODIUM HYDROXIDE               | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27 | ( 0,5 ≤C < 2) Eye Irrit. 2, H319<br>( 0,5 ≤C < 2) Skin Irrit. 2, H315<br>( 2 ≤C < 5) Skin Corr. 1B, H314<br>( 5 ≤C < 100) Skin Corr. 1A, H314 |

Full text of H and EUH statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Take off contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.   |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER/doctor.  |

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

No additional information available

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : In case of fire, all extinguishing media allowed.

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

Fire hazard : Not flammable.

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                |

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Comply with applicable regulations.

Storage conditions : Store in original container. Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Incompatible products : Strong acids.

Incompatible materials : Metals.

Storage temperature : 5 – 25 °C C°

### 7.3. Specific end use(s)

Laboratory chemicals.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| SODIUM HYDROXIDE (1310-73-2)                         |                              |
|--|------------------------------|
| <b>France - Occupational Exposure Limits</b>         |                              |
| Local name   | Hydroxyde de sodium          |
| VME (OEL TWA)  | 2 mg/m <sup>3</sup>          |
| Remark   | Valeurs recommandées/admises |
| <b>Portugal - Occupational Exposure Limits</b>       |                              |
| Local name   | Hidróxido de sódio           |
| OEL Ceiling  | 2 mg/m <sup>3</sup>          |
| <b>Spain - Occupational Exposure Limits</b>          |                              |
| Local name   | Hidróxido de sodio           |
| VLA-EC (OEL STEL)                                    | 2 mg/m <sup>3</sup>          |
| <b>United Kingdom - Occupational Exposure Limits</b> |                              |
| Local name   | Sodium hydroxide             |
| WEL STEL   | 2 mg/m <sup>3</sup>          |

#### 8.1.2. Recommended monitoring procedures

No additional information available

# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

**Personal protective equipment:**

EN 374.

**Personal protective equipment symbol(s):**



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Nitrile rubber (NBR) /

| Hand protection   |                      |            |                |                   |          |
|-------------------|----------------------|------------|----------------|-------------------|----------|
| Type              | Material             | Permeation | Thickness (mm) | Penetration       | Standard |
| Disposable gloves | Nitrile rubber (NBR) |            | 0.11mm         | 6 (> 480 minutes) |          |

**Other skin protection**

**Materials for protective clothing:**

Protective clothing

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

Wear appropriate mask

| Respiratory protection |             |           |          |
|------------------------|-------------|-----------|----------|
| Device                 | Filter type | Condition | Standard |
| Disposable half mask   | Type P2     |           |          |

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Other information:**

Do not eat, drink or smoke during use.

# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 9: Physical and chemical properties

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

|   |                   |
|---|-------------------|
| Physical state                                  | : Solid           |
| Colour  | : white.          |
| Odour   | : characteristic. |
| Odour threshold                                 | : Not available   |
| Melting point                                   | : Not available   |
| Freezing point                                  | : Not available   |
| Boiling point                                   | : Not available   |
| Flammability                                    | : Not available   |
| Explosive limits                                | : Not applicable  |
| Lower explosion limit                           | : Not applicable  |
| Upper explosion limit                           | : Not applicable  |
| Flash point                                     | : Not applicable  |
| Auto-ignition temperature                       | : Not applicable  |
| Decomposition temperature                       | : Not available   |
| pH  | : 11              |
| pH solution                                     | : Not available   |
| Viscosity, kinematic                            | : Not applicable  |
| Solubility                                      | : Not available   |
| Partition coefficient n-octanol/water (Log Kow) | : Not available   |
| Vapour pressure                                 | : Not available   |
| Vapour pressure at 50 °C                        | : Not available   |
| Density   | : Not available   |
| Relative density                                | : Not available   |
| Relative vapour density at 20 °C                | : Not applicable  |
| Particle size                                   | : Not available   |
| Particle size distribution                      | : Not available   |
| Particle shape                                  | : Not available   |
| Particle aspect ratio                           | : Not available   |
| Particle aggregation state                      | : Not available   |
| Particle agglomeration state                    | : Not available   |
| Particle specific surface area                  | : Not available   |
| Particle dustiness                              | : Not available   |

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

No additional information available

##### 9.2.2. Other safety characteristics

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

No additional information available

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

No additional information available

# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

|                            |  |
|----------------------------|--|
| LD50 oral rat              | 2800 mg/kg Sodium carbonate ( 497-19-8 )     |
| LD50 oral                  | > 2000 mg/kg Tetrasodium salt ( 51981-21-6 ) |
| LD50 dermal rat            | > 2000 mg/kg Tetrasodium salt ( 51981-21-6 ) |
| LC50 inhalation rat (mg/l) | 2,3 mg/l/4h Sodium carbonate ( 497-19-8 )    |

Skin corrosion/irritation : Causes skin irritation.  
pH: 11  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 11  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause respiratory irritation.

#### SODIUM SILICATE (1344-09-8)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

### 12.2. Persistence and degradability

#### Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### 12.3. Bioaccumulative potential

No additional information available

# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Regional legislation (waste)               | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Avoid release to the environment.   |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number or ID number

|               |                 |
|---------------|-----------------|
| UN-No. (ADR)  | : Not regulated |
| UN-No. (IMDG) | : Not regulated |
| UN-No. (IATA) | : Not regulated |
| UN-No. (ADN)  | : Not regulated |
| UN-No. (RID)  | : Not regulated |

### 14.2. UN proper shipping name

|                             |                 |
|-----------------------------|-----------------|
| Proper Shipping Name (ADR)  | : Not regulated |
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |
| Proper Shipping Name (ADN)  | : Not regulated |
| Proper Shipping Name (RID)  | : Not regulated |

### 14.3. Transport hazard class(es)

**ADR**  
Transport hazard class(es) (ADR) : Not regulated

**IMDG**  
Transport hazard class(es) (IMDG) : Not regulated

**IATA**  
Transport hazard class(es) (IATA) : Not regulated

**ADN**  
Transport hazard class(es) (ADN) : Not regulated

**RID**  
Transport hazard class(es) (RID) : Not regulated



# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 14.4. Packing group

|                      |                 |
|----------------------|-----------------|
| Packing group (ADR)  | : Not regulated |
| Packing group (IMDG) | : Not regulated |
| Packing group (IATA) | : Not regulated |
| Packing group (ADN)  | : Not regulated |
| Packing group (RID)  | : Not regulated |

### 14.5. Environmental hazards

|                               |  |
|-------------------------------|--|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### EU restriction list (REACH Annex XVII)

| Reference code | Applicable on                   |
|----------------|---------------------------------|
| 3(b)           | TETRASODIUM GLUTAMATE DIACETATE |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### Detergent Regulation : Ingredient data sheet:

| Component        | CAS-No.   | %    |
|------------------|-----------|------|
| SODIUM CARBONATE | 497-19-8  | ≥10% |
| SODIUM SILICATE  | 1344-09-8 | ≥10% |

# Alkaline powder detergent Labkem Cleaner A107 for automatic washing, phosphate free, AUX

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Detergent Regulation : Ingredient data sheet: |            |         |
|---|------------|---------|
| Component                                     | CAS-No.    | %       |
| TETRASODIUM GLUTAMATE DIACETATE               | 51981-21-6 | ≥10%    |
| SODIUM HYDROXIDE                              | 1310-73-2  | 1 - 10% |

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

### 15.1.2. National regulations

#### Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

#### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

#### Switzerland

Storage class (LK) : LK 11/13 - Solids

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2  |
| H314                                | Causes severe skin burns and eye damage.   |
| H315                                | Causes skin irritation.  |
| H318                                | Causes serious eye damage.   |
| H319                                | Causes serious eye irritation.   |
| H335                                | May cause respiratory irritation.  |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1A   |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1B   |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2  |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.