

# MATERIAL SAFETY DATA SHEET

Pursuant to Commission Regulation (EU) No 2020/878 of 18 June 2020

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

Date created: 05/02/2017

Version: 3.0

Update date: -24.08.2022

1.1. Product identifier :

***Burn remover  
Konigliche Wash***

UFI: 4W10-90Y6-T00S-DJC7

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

Identified uses : Cleaning grills , ovens , fireplace glass and removing all types of burns.

Uses advised against : not determined.

1.3. Details of the supplier of the safety data sheet

**PJ Chemicals GmbH**

Westhafenstraße 1

13353 Berlin Tel no.: +49 30 21 96 60 38 E-mail address of the person responsible for the safety data sheet: [info@pj-chemikalien.de](mailto:info@pj-chemikalien.de)

[www.pj-chemikalien.de](http://www.pj-chemikalien.de)

1.4. Emergency telephone number

112 – emergency number

## SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

**Skin Corr.1A.H314**

2.2. Labeling elements



Signal Word: **Danger**

Hazard statements:

**H314** – Causes severe skin burns and eye damage.

Precautionary statements:

**P102** - Keep out of reach of children.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for a few minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** - If eye irritation persists: Get medical advice/attention.

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**P264-** Wash hands thoroughly after handling . .  
**P280-** Wear gloves protective,protective clothing /eye protection/face protection  
**P332+P313** - If skin irritation occurs, seek medical advice/attention.  
**P301+P330+P331** IF SWALLOWED : Rinse mouth, do not induce vomiting.  
**P303+P361+P353** IF ON SKIN (or hair ): Remove/Take off immediately all contaminated clothing.Rinse skin with water/shower.  
**P304+P340** IF INHALED : Remove victim to a safe place . fresh air and provide conditions for rest in a position that allows for free breathing  
**P501** Dispose of contents and container in accordance with applicable national regulations.

**EUH 208** - Contains a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

## Detergent content according to Regulation 648/2004/EC:

**Ingredients** : <5% non-ionic surfactants, 2-bromo-2-nitropropane-1,3-diol, Methylchloroisothiazolinone , Methylisothiazolinone .

## 2.3. Other threats

The substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII – no  
The substance meets the criteria for classification as vPvB according to Regulation (EC) No. 1907/2006, Annex XII – not applicable  
Other threats not reflected in the classification - unknown

## SECTION 3: Composition/information on ingredients

3.1. Substances : Not applicable

3.2. Mixtures :

| Substance                                                                                                                                        | CAS No.    | EC No.    | Index number/<br>Registration No.              | % wt.   | Classification<br>Reg.1272/2008                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C8-10 Alkyl Polyglucoside                                                                                                                        | 68515-73-1 | 500-220-1 | -<br>01-2119488530-36-<br>xxxx                 | <2      | Skin Irrit >2,H315<br>Eye Dam.1,H318                                                                                                                                            |
| Sodium hydroxide                                                                                                                                 | 1310-73-2  | 215-185-5 | 011-002-00-6 01-<br>2119457892-27--<br>xxxx    | <6      | Skin Corr.1A,H314<br>Met Corr.1,H290<br>Eye Dam 1;H318                                                                                                                          |
| Potassium hydroxide                                                                                                                              | 1310-58-3  | 215-181-3 | 019-002-00-8<br>01-2119487136-33-<br>xxxx<br>- | <,2     | Acute Tox.4,H302<br>Skin Corr.1A,H314<br>Met Corr1,H290                                                                                                                         |
| 2-Bromo-2- nitropropane-1,3-<br>diol                                                                                                             | 52-51-7    | 200-143-0 | 603-085-00-8<br>01-2119980938-15-<br>xxxx      | <0.01   | Acute Tox. 4 H302<br>Acute Tox. 4 H312<br>Skin Irrit . 2; H315<br>Eye Dam. 1; H318<br>STOT SE 3; H335<br>Aquatic Acute 1; H400                                                  |
| mixture of 5-chloro-2-methyl-4-<br>isothiazolin-3-one [EC no. 247-<br>500-7 ] and 2-methyl-4-<br>isothiazolin-3-one [EC no. 220-<br>239-6] (3:1) | 55965-84-9 | -         | 613-167-00-5<br>-                              | <0.0015 | Acute Tox. 3 H301<br>Acute Tox. 2 H310<br>Acute Tox. 2 H330<br>Skin Corr. 1B H314<br>Skin Sens.A 1 H317<br>Eye Dam. 1, H318<br>Aquatic Acute 1 H400<br>Aquatic Chronic 1; H410, |

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M=10

## Specific concentration limits

**mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) (CAS no. 55965-84-9)**

Eye Dam. 1:  $C \geq 0.6\%$

Eye Irrit. 2; H319:  $0.06\% \leq C < 0.6\%$

Skin Corr. 1C:  $C \geq 0.6\%$

Skin Irrit. 2; H315:  $0.06\% \leq C < 0.6\%$

Skin Sens. 1A:  $C \geq 0.0015\%$

The full text of H phrases and acronyms of symbols, hazard classes and category codes are given in Section 16. Safety data sheets

## SECTION 4: First aid measures

### 4.1. Description of first aid measures :

**General advice :** Please follow the safety and usage instructions on the label. If symptoms occur or if in doubt, consult a doctor.

**Inhalation** – The preparation should be used in a well-ventilated room . If symptoms of poisoning occur, remove the injured person from the exposure zone and provide access to fresh air, contact a doctor.

**Eye contact** - Rinse with plenty of clean water for 15 minutes, keeping the eyelids open. If redness, pain or visual disturbances occur, seek medical advice.

**Skin contact** – remove all contaminated clothing. Wash contaminated skin with soap and water. If disturbing symptoms occur, contact a doctor.

**Ingestion** - Rinse mouth with water. Do not induce vomiting. Do not give anything to an unconscious person. Contact a doctor.

### 4.2 Most important acute and delayed symptoms and effects of exposure :

Potential acute health effects

**Eye contact** : burning sensation, redness, swelling , burns, permanent damage.

**Skin contact** : burning, redness , burns.

**Ingestion** : Ingestion may cause burns to the mouth, throat or stomach.

**Inhalation** : May cause sneezing, runny nose, coughing , respiratory tract irritation.

### 4.3 Indications of any immediate medical attention and special treatment for the injured person

Treat symptomatically. If swallowed, contact a physician specializing in poison treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Cool containers exposed to fire with a water spray. Use an extinguishing agent suitable for the surrounding conditions.

**Unsuitable extinguishing media:** Do not use solid streams. water

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

**Hazards from the substance or mixture:** Water contaminated with this substance must be contained and prevented from entering water systems, streams and wells.

**Hazardous combustion products:** no data

### 5.3. Information for the fire brigade

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**Special precautions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken which involves any personal risk unless specifically trained.

**Special protective equipment for firefighters** : Firefighters should wear appropriate protective clothing and self-contained breathing apparatus with a full facepiece operating in positive pressure mode. Basic protection during chemical incidents is provided by firefighter clothing (including helmets, safety boots and gloves) complying with European Standard EN 469

## SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Evacuate people from the surrounding areas. Provide adequate ventilation. Wear an appropriate mask when ventilation is inadequate. Wear appropriate personal protective equipment.

6.1.2. For persons providing assistance :

If special clothing is required for disposal of the product, refer to the information in section 8 regarding suitable and unsuitable materials. See also the information in the section "For non-emergency personnel"

6.2. Environmental precautions

Prevent the spread and penetrating into sewers, ditches and river.

6.3. Methods and materials for containment and cleaning up

Place the collected product in closed containers, observing all safety precautions.

6.4. References to other sections

Emergency contact information is provided in Section 1.

See Section 8 for information on appropriate personal protective equipment.

Information on additional waste treatment is given in Section 13.

## SECTION 7: Handling and storage of substances and mixtures

7.1. Precautions for safe handling

7.1.1. During use and storage, observe generally applicable occupational health and safety regulations. Avoid release into the environment.

7.1.2. Do not eat, drink or smoke during use. Wash hands during breaks and after work.

7.2. Conditions for safe storage, including information on any mutual incompatibilities

Store in original packaging, in covered, dry places, at a temperature between 5.0-20.0°C. Protect from direct sunlight. Do not store together with food. Protect from freezing.

7.3. Specific end use(s):

Not known .

## SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws 2018 item 1286).

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## Values of MAC, MACCh, NDSP

| Component        | CAS No.   | NDS                  | NDSch              | NDSP |
|------------------|-----------|----------------------|--------------------|------|
| Hydroxide sodium | 1310-73-2 | 0.5mg/m <sup>3</sup> | 1mg/m <sup>3</sup> |      |

## DNEL

| Component        | CAS No.   | Exposure   | Value              | Population |
|------------------|-----------|------------|--------------------|------------|
| Sodium hydroxide | 1310-73-2 | inhalation | 1mg/m <sup>3</sup> | worker     |

## Values of NDS, NDSCh, NDSP

| Component           | CAS No.   | NDS                  | NDSch              | NDSP |
|---------------------|-----------|----------------------|--------------------|------|
| Potassium hydroxide | 1310-58-3 | 0.5mg/m <sup>3</sup> | 1mg/m <sup>3</sup> |      |

## DNEL

| Component           | CAS No.   | Exposure   | Value                | Population |
|---------------------|-----------|------------|----------------------|------------|
| Potassium Hydroxide | 1310-58-3 | inhalation | 0.5mg/m <sup>3</sup> | employee   |

### 8.2. Exposure controls :

#### 8.2.1. Appropriate technical control measures

General room ventilation.

#### 8.2.2. Individual protection measures such as personal protective equipment

Under normal circumstances, not required. Wash hands after work. Do not eat, drink or smoke.

**a) Eye and face protection :** Wear safety glasses when using the product.

**b) Skin protection :**

- Hand protection: Wear protective gloves when using the product.

- Other

**c) Respiratory protection :** Use the product in a well-ventilated room.

**d) thermal hazards:** Not applicable

#### 8.2.3. Environmental exposure control

Avoid release into the environment.

## SECTION 9: Physical and chemical properties

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

a) State of matter: liquid

b) Color: characteristic of the ingredients used

c) Odor: characteristic of the substances used ingredients

d) Melting point/freezing point: not applicable

e) Boiling point or initial boiling point and boiling range: not applicable

f) Flammability of materials: not applicable

g) Lower and upper explosion limits: not applicable

h) Flash point: not applicable

i) Auto-ignition temperature: not applicable

j) Decomposition temperature: not applicable

k) pH : 12.5-13.5

l) Kinematic viscosity: not applicable

m) Solubility : in water

n) Partition coefficient n- octanol /water (log coefficient value): not applicable

o) Vapor pressure: not applicable

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- p) Density or relative density: 1.002 +/-0.02 g/cm<sup>3</sup>  
q) Relative vapor density: not applicable  
r) Particle characteristics: not applicable

## 9.2. Other information

No other data

## SECTION 10: Stability and reactivity

10.1. Reactivity – No experimental data on the reactivity of the product or its ingredients are available.

10.2. Chemical stability - The product is stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions - Under normal conditions of storage and use, hazardous reactions do not occur.

10.4. Conditions to avoid - During storage, avoid temperatures outside the range given in section 7.2.

10.5. Incompatible materials – acids, metals, strong oxidizers

10.6. Hazardous decomposition products - For the preparation – Does not decompose if used as intended .

## SECTION 11: Toxicological information

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

For substances

| Component                 | CAS No.    | Dose                           | Value   | Unit  |
|---------------------------|------------|--------------------------------|---------|-------|
| C8-10 Alkyl Polyglucoside | 68515-73-1 | LD <sub>50</sub> - rat oral    | >2000   | mg/kg |
|                           |            |                                |         |       |
|                           |            |                                |         |       |
| Sodium hydroxide          | 1310-73-2  | LD <sub>50</sub> - rabbit oral | 500     | mg/kg |
|                           |            | LD <sub>50</sub> - leather     | no data |       |
|                           |            | LD <sub>50</sub> - inhalation  | no data |       |

a) acute toxicity;

Based on available data on the substance, the product does not meet the classification criteria.

b) skin corrosion/irritation;

Maybe to cause skin burns

c) serious eye damage/eye irritation;

Causes serious eye damage.

d) respiratory or skin sensitisation;

Based on available data on the substance, the product does not meet the classification criteria.

(e) mutagenic effect on germ cells;

Based on available data on the substance, the product does not meet the classification criteria.

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f) carcinogenic effect;

Based on available data on the substance, the product does not meet the classification criteria.

g) reproductive toxicity;

Based on available data on the substance, the product does not meet the classification criteria.

h) target organ toxicity – single exposure;

Based on available data on the substance, the product does not meet the classification criteria.

i) specific target organ toxicity – repeated exposure;

Based on available data on the substance, the product does not meet the classification criteria.

j) aspiration hazard.

Based on available data on the substance, the product does not meet the classification criteria.

Likely routes of exposure : eyes, skin

11.2. Information about other threats

11.2.1. Endocrine disrupting properties

Not applicable

11.2.2. Other information

Not applicable

## SECTION 12: Ecological information

12.1. Toxicity

For the mixture: no data

For substances:

| Component                | CAS No.    | Dose                                                 | Value  | Unit        |
|--------------------------|------------|------------------------------------------------------|--------|-------------|
| C8-10-Alkylpolyglucoside | 68515-73-1 | EC <sub>50</sub> - ( Daphnia big )                   | > 100  | mg/l/(48h)  |
|                          |            | EC <sub>50</sub> - ( Pseudomonas putida )            | >560   | mg/l/(6h)   |
|                          |            | IC <sub>50</sub> - algae ( Scenedesmus subspicatus ) | > 1000 | mg/l/(72h)  |
|                          |            | LC <sub>50</sub> – (for fish)                        | 126    | mg/l/(96h)  |
|                          |            | LC <sub>50</sub> – ( Brachydanio rerio )             | 3.2    | mg/l/(28dh) |

12.2. Persistence and degradability

The surfactants contained in the mixture comply with the biodegradability criteria of Regulation (EC) No 648/2004 on detergents. Data obtained from the safety data sheets of the mixture components. Data confirming this fact are at the disposal of the competent authorities of the Member States and will be made available to them upon their direct request or upon request of a detergent manufacturer

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

vPvB assessment

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No data available

## 12.6. Endocrine disrupting properties

This substance/mixture does not contain ingredients with endocrine disrupting properties according to REACH Article 57(f) of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 20218/606 at levels of 0.1% or higher.

## 12.7. Other harmful effects

No data available

## SECTION 13: Waste treatment

### 13.1. Waste disposal methods :

Proceed in accordance with the laws in force in a given area. Thoroughly emptied product packaging is subject to the municipal waste collection system .

Legal basis:

Community law: Directive 2008/98/EC, 2014/955/EU, Commission Regulation (EU) No 1357/2014

National law: Act of 14 December 2012 on waste (Journal of Laws 2013, item 21) Act of 13 June 2013 on packaging and packaging waste management (Journal of Laws 2013, item 888)

## SECTION 14: Transport information

### In accordance with ADR and RID requirements:

14.1. UN number or identification number ID -3266

14.2. UN proper shipping name – Corrosive substance, alkaline liquid

14.3. Transport hazard class(es) - 8

14.4. Packing group - II

14.5. Environmental hazards – in accordance with applicable regulations, it does not pose a threat to the environment

14.6. Special precautions for users - no data

14.7. Transport in bulk. In accordance with Annex II to MARPOL 73/78 and the IBC Code.

The preparation packed in combined packaging consisting of unit packages up to 1 liter placed in external packaging in the amount of up to 30 kg gross per shipment is not subject to ADR regulations.

## SECTION 15: Legal Information

### 15.1. Safety, health and environmental regulations specific to the substance or mixture

- Act of 25 February 2011 on chemical substances and their mixtures. (Journal of Laws 2011, No. 63, item 322) with subsequent amendments.

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 14/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC with subsequent amendments.

- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

- 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 (OJ EU L 353 of 31 December 2008) with subsequent amendments.

- Directive 2008/98/EC, 2014/955/EU, Commission Regulation (EU) No 1357/2014

- Act of 14 December 2012 on waste (Journal of Laws 2013, item 21)

- Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws 2013, item 888)

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- Regulation of the Minister of Labour and Social Policy of 29 November 2002 on the maximum permissible concentrations and intensities of harmful health factors in the work environment. (Journal of Laws 2002, No. 217, item 1833, as amended).

## 15.2. Chemical safety assessment

The supplier did not perform a chemical safety assessment of the mixture.

## SECTION 16: Other information

### H phrases:

**H302** - Harmful if swallowed.  
**H314** - Causes severe skin burns and eye damage.  
**H315** - Causes skin irritation.  
**H317** - May cause an allergic skin reaction .  
**H318** - Causes serious eye damage .  
**H301** – Toxic if swallowed  
**H310** – Fatal in contact with skin.  
**H330** - Fatal if inhaled.  
**H335** - May cause respiratory irritation.  
**H336** - May cause drowsiness or dizziness.  
**H400** - Very toxic to aquatic life .  
**H410** - Very toxic to aquatic life with long lasting effects  
**H411** - Toxic to aquatic life with long lasting effects.  
**H412** - Harmful to aquatic life with long lasting effects.  
**H315** - Causes skin irritation

### Training Tips

Before use, read the safety data sheet.

### Explanation of abbreviations and acronyms used in the safety data sheet

**CAS** ( Chemical Abstracts Service )

**The EC number** is one of the three numbers listed below :

- the number assigned to the substance in the European Inventory of Existing Commercial Chemical Substances (EINECS)
- number assigned to the substance in the European List of Notified Substances ( Elincs )
- number in the list of chemical substances listed in the European Commission publication "No-longer "polymers "

**MAC** - the highest permissible concentrations of substances harmful to health in the work environment

**NDSch** - highest allowable momentary concentration

**NDSP** - the highest permissible ceiling concentration

**UN number** - Material identification number (UN number, UN number)

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

### Other sources information

**IUCLID** International Uniform Chemical Information Database

**ESIS** European Chemical Substances Information System

change in relation to the previous version: change of efficient regulations

### Additional information :

Data for registered substances: <https://www.eldiom.chemikalia.gov.pl/#/>

The information provided in the safety data sheet is intended to describe the product only from the point of view of safety requirements. The user is responsible for creating conditions for safe use of the product and is responsible for the consequences resulting from improper use of this product.