

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

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

Creation date: March 31, 2020.

Version: 3.0

Update date: 08/24/2022

1.1. Product ID :

UNIVERSAL FLOOR CLEANER **Königliche Wasche**

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

Relevant identified uses : cleaning all kinds of wooden and ceramic surfaces

Uses advised against : Not specified.

1.3. Details of the supplier of the safety data sheet

PJ Chemicals GmbH

Westhafenstraße 1 13353 Berlin

Tel. +49 30 21 96 60 38

info@pj-chemikalien.de

www.pj-chemikalien.de

Telephone number of the person responsible for the safety data sheet: +48 33 860 23 74

1.4. Emergency telephone number

112 - emergency number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Eye Irrit. 2 H319

2.2 Marking elements



Signal word: **Attention**

Hazard statements:

H319 - Irritating to eyes.

Precautionary statements:

P102 - Keep out of the reach of children.

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

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

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 cause an allergic reaction.

Detergent content according to Regulation 648/2004/EC:

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

Ingredients : <5% non-ionic surfactants, <5% anionic surfactants <5%, fragrance compositions, 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 vPvB according to Regulation (EC) No. 1907/2006, Annex XII - not applicable

Other hazards 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/ Registration No	wt. %	Classification Regulation 1272/2008
Alcohols C12-14, ethoxylate(1-2.5 TE), sulfated, sodium salts	68891-38-3	500-234-8	- 01-2119488639-16- xxxx	<2	Skin Irrit.2, H315 Eye Dam.1,H318 Aquatic Chronic.3,H412
Branched C12-13 alcohols, ethoxylated (>5-<15 EO)	160901-19-9	500-457-0		<1	Acute Tox.4,H302 Eye Dam1,H318 Acute chronic.3,H412
Tetrasodium edetate	February 8, 1964	200-573-9	01-2119486762-27- xxxx	<0.05	Acute Tox4 H302 Eye Dam.1 H318 Inhalation Acute Tox.4 H332 Skin Irrit 2,H315
2-Bromo-2- nitropropane-1,3-diol	52-51-7	200-143-0	603-085-00-8 01-2119980938-15- xxxx	<0.1	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400
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)	55965-84-9	-	613-167-00-5 -	<0.0015	Acute Tox. 3H301 Acute Tox. 2 H310 Acute Tox. 2 H330 Skin Corr. 1B H314 Skin Sens.A 1 H317 Eye Dam. 1, H318 Aquatic Acute 1 H400 Aquatic Chronic 1; H410, 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 ≥ 0.6%

Eye Irrit. 2; H319: 0.06% ≤ C < 0.6%

Skin Corr. 1C: C ≥ 0.6%

Skin Irrit. 2; H315: 0.06% ≤ C < 0.6%

Skin Sens. 1A: C ≥ 0.0015%

The full texts of the H-phrases and acronyms of the symbols, hazard classes and category codes are listed in section 16. Safety Data Sheets

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

SECTION 4: First aid measures

4.1. Description of first aid measures :

General notes : Follow the safety and use notes on the label. If symptoms occur or in case of doubt, seek medical advice.

Inhalation - Under normal conditions, the hazard does not exist. In the event of symptoms of poisoning, remove the victim from the exposure zone and provide him with access to fresh air.

Eye contact - Flush with plenty of clean water for 15 minutes, keeping the eyelids open. Consult an ophthalmologist if redness, pain and visual disturbances occur .

Skin contact - under normal conditions, the hazard does not exist. In case of irritation, wash with soap and water.

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

4.2 Most important symptoms and effects, both acute and delayed :

Potential acute health effects

Eye contact : burning sensation, redness,

Skin contact : does not exist under normal conditions of use

Ingestion : Ingestion may cause nausea, vomiting, abdominal pain

Inhalation : Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing agents

Suitable extinguishing media: Foam, carbon dioxide or extinguishing powders. Containers exposed to fire should be cooled with a spray of water.

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 collected and secured so that it enters water systems, watercourses and drains.

Hazardous combustion products: no data available

5.3. Information for the fire brigade

Special protective measures for firefighters : Quickly isolate the area by removing all persons from the immediate vicinity if a fire breaks out. No action shall be taken involving any personal risk unless you are properly trained.

Special protective equipment for firefighters : Firefighters should wear appropriate protective equipment and full-face positive pressure breathing apparatus. The basic level of protection during chemical accidents is provided by clothing used by firefighters (including helmets, safety shoes and gloves), in accordance with the 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

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

Evacuate people from the surrounding areas. Provide adequate ventilation. Wear a suitable mask when ventilation is insufficient. Wear appropriate personal protective equipment.

6.1.2. For people providing assistance :

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

6.2. Environmental precautions

Prevent spreading and penetration into sewers, ditches and river.

6.3. Methods and materials to prevent the spread of contamination and to remove contamination

Place the collected product in closed containers with due care

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. Observe generally applicable occupational health and safety regulations during use and storage. Avoid release to the environment.

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

7.2. Conditions for safe storage, including any incompatibilities

Store in original packaging, in covered, dry rooms, at a temperature of 5.0-20.0°C. Protect against direct sunlight. Do not store together with foodstuffs. Protect against 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, Labor 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 of 2018, item 1286).

Secondary impact levels

Product name/ingredient	Type	Exposure	Value	Population	Disorders
Alcohols C12-14, ethoxylate(1-2.5 TE), sulfated, sodium salts	DNEL	Long-lasting Skin	2750 mg/kg bw/day	Employees	-
	DNEL	Long-term Inhalation	175 mg/m ³	Employees	-

Concentrations at which effects are expected

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

Product name/ingredient	Type	Medium compartment details	Value	Details of the methodology
Alcohols C12-14, ethoxylate(1-2.5 TE), sulfated, sodium salts	PNEC	Sweet water	0.24 mg/l	Assessment factors
	PNEC	Sweet water	0.024 mg/l	Assessment factors
	PNEC	Sweet water	0.071 mg/l	Assessment factors
	PNEC	Freshwater sediment	5.45 mg/kg	Equivalent division
	PNEC	Freshwater sediment	0.545 mg/kg	Equivalent division
	PNEC	Soil	0.946 mg/kg	Equivalent division

8.2. Exposure controls :

8.2.1. Appropriate engineering controls

General room ventilation.

8.2.2. Individual protection measures such as personal protective equipment

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

a) Eye and face protection : Safety glasses should be worn when using the product

b) Skin protection :

- Hand protection: Use protective gloves when handling the product.

- Other

c) Respiratory protection : Not required under normal conditions

d) thermal hazards: Not applicable

8.2.3. Environmental exposure control

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Physical state: liquid

b) Colour: characteristic of the ingredients used

c) Smell: characteristic of the fragrance composition used

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 : 8-9

l) Kinematic viscosity: not applicable

m) Solubility : in water

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

o) Vapor pressure: not applicable

p) Density or relative density: 0.065-1.01 g/cm³

q) Relative vapor density: not applicable

r) Characteristics of particles: not applicable

9.2. Other informations

No other data available

SECTION 10: Stability and reactivity

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

- 10.1. Reactivity – No experimental data on the reactivity of the product or its ingredients.
- 10.2. Chemical stability - The product is stable under normal storage and use conditions.
- 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. Protect. Avoid contact with acidic substances.
- 10.5. Incompatible materials – Aluminum. Do not mix with household chemicals.
- 10.6. Hazardous decomposition products - For the preparation - Does not decompose if used as intended .

SECTION 11: Toxicological information

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

For substance

Component	CAS No	Dose	Value	Component
C12-13 branched alcohols, ethoxylated (>5<15EO)	160901-19-9	LD ₅₀ - oral rat	>300-2000	mg/kg
		LD ₅₀ - rat inhalation	No data	mg/m ³
		LD ₅₀ - rabbit skin	>2000	mg/kg
Alcohols C12-14, ethoxylate(1-2.5 TE), sulfated, sodium salts	68891-38-3	LD ₅₀ - oral rat	>2500	mg/kg
		LD ₅₀ - oral rat	>2000	mg/kg
		LD ₅₀ - oral rat	4100	mg/kg
Ethanol	64-17-15	LD ₅₀ – oral rat	7060	mg/kg

(a) acute toxicity;

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

(b) skin corrosion/irritation;

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

(c) serious eye damage/eye irritation;

Irritating to eyes

(d) respiratory or skin sensitization;

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

e) germ cell mutagenicity;

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

f) carcinogenicity;

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

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

(g) reproductive toxicity;

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

h) specific 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

11.2. Information about other threats

11.2.1. Endocrine disrupting properties

Not applicable

11.2.2. Other informations

Not applicable

SECTION 12: Ecological information

12.1. Toxicity

For the mixture: no data

For substances:

C12-13 alcohols ethoxylated (.5-<15 EO)

Toxicity to fish LC50 >1-10mg/l/96h 9Cyprinus carpio)

Toxicity to algae EC50 >1-10mg/l/72h(Desmodesmus subspicatus)

Toxicity to daphnia EC10 0.35mg/l/48h (Daphnia magna)

Alcohols C12-14, ethoxylate(1-2.5 TE), sulfated, sodium salts

Toxicity to algae EC50 2.6 mg/l/72h

Toxicity to fish LC50 7.1mg/l/9 6h

Ethanol

Toxicity to fish LC50 11200mg/l/24h(Oncorhynchus mykiss)

Toxicity to algEC50 275mg/l/72h (Chlorella vulgaris)

Toxicity to daphnia EC50857/l/48h (Almia salina)

12.2. Persistence and degradability

The surfactants contained in the mixture comply with the biodegradability criteria set out in 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 at their direct request or at the request of the detergent manufacturer

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

12.3. Bioaccumulative potential

No data

12.4. Mobility in the soil

No data

12.5. PBT and vPvB assessment results

No data

12.6. Endocrine disrupting properties

No data

12.7. Other harmful effects

No data

SECTION 13: Disposal considerations

13.1. Waste disposal methods :

Follow the legal regulations 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

14.1. UN number or ID number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es).

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for users

Not applicable

14.7. Sea transport in bulk in accordance with IMO instruments

Not applicable

SECTION 15: Regulatory information

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

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

- Act of February 25, 2011 on chemical substances and their mixtures. (Journal of Laws 2011, No. 63, item 322.) as amended.
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization 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 as amended.
- 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, Authorization and Restriction of Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling 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 December 31, 2008) as amended.
- Directive 2008/98/EC, 2014/955/EU, Commission Regulation (EU) No 1357/2014
- Act of December 14, 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 of 2013, item 888)
- Regulation of the Minister of Labor and Social Policy of November 29, 2002 on the highest permissible concentrations and intensities of factors harmful to health in the work environment. (Journal of Laws of 2002, No. 217, item 1833, as amended).

15.2. Chemical safety assessment

The supplier did not assess the chemical safety of the mixture.

SECTION 16: Other information

H-phrases:

- H301** - Toxic if swallowed.
- H302** - Harmful if swallowed.
- H310** - Fatal in contact with skin.
- H312** - Harmful in contact with skin.
- H314** - Causes severe skin burns and eye damage.
- H315** - Causes skin irritation.
- H317** - May cause an allergic skin reaction .
- H318** - Causes serious eye damage .
- H330** - Fatal if inhaled.
- H332** - Harmful if inhaled.
- H335** - May cause respiratory irritation.
- H400** - Very toxic to aquatic organisms .
- 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.

Training Tips

Read the safety data sheet before use

Explanation of abbreviations and acronyms used in the safety data sheet

CAS (Chemical Abstracts Service)

The EC number stands for one of the three numbers listed below :

- number assigned to the substance in the European Inventory of Existing Commercial Substances (EINECS)
- the number assigned to the substance in the European List of Notified Substances (Elincs)
- number in the list of chemical substances listed in the publication of the European Commission

SAFETY DATA SHEET

Based on the Commission Regulation (EU) no 2020/878 of June 18, 2020.

"No-longer polymers"

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

STEL - the highest permissible temporary 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 of information

IUCLID International Uniform Chemical Information Database

ESIS European Chemical Substances Information System

Additional information :

Data for registered substances: [https://www.eldiom.chemikalia.gov.pl /#/](https://www.eldiom.chemikalia.gov.pl/#/)

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