

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Version number: GHS 6.0
Replaces version of: 2021-11-30 (GHS 5)

Revision: 2023-01-19

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

1.1 Product identifier

Trade name **PROMAT CHEMICALS INDUSTRIEREINIGER**
Unique formula identifier (UFI) P800-U0RP-S00K-10KV
Article number 4000 355711 (5 Ltr.)
4000 355712 (10 Ltr.)

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

Relevant identified uses general use
washing and cleaning product
Uses advised against do not use for squirting or spraying do not use for products which come into direct contact with the skin do not use for products which come into contact with foodstuffs

1.3 Details of the supplier of the safety data sheet

NORDWEST Handel AG
Robert-Schuman-Straße 17
44263 Dortmund
Germany

Telephone: +49 (0)231 2222-3001
Telefax: +49 (0)231 2222-3099
Website: www.nordwest.com

e-Mail (competent person): sdb@nordwest.com

1.4 Emergency telephone number

Austria: Vergiftungsinformationszentrale der Gesundheit +43 1 406 43 43
Germany: Beratungsstelle bei Vergiftungen Giftinformation- +49(0)6131 / 19240
zentrale der Länder Rheinland-Pfalz und Hessen
Switzerland: Tox Info Suisse +145, 24h oder +41 44 251 51 51

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.2	skin corrosion/irritation	Cat. 1	(Skin Corr. 1)	H314
3.3	serious eye damage/eye irritation	Cat. 1	(Eye Dam. 1)	H318

Remarks

For full text of H-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word danger

Pictograms

GHS05



H314 Causes severe skin burns and eye damage.
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....
P302+P352 IF ON SKIN: Wash with plenty of 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.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional labelling requirements

Child-resistant fastening yes

Tactile warning of danger yes

Hazardous ingredients for labelling:

Amides, coco alkyl, N-(hydroxyethyl), ethoxylated. Alcohols, C9-11 ethoxylated, < 2.5 EO. Potassium hydroxide.

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2.3 Other hazards

There is no additional information.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description of the mixture

Hazardous ingredients acc. to EU regulation						
Name of substance	Identifier	Wt%	Classification acc. to 1272/2008/EC	Pictograms	Notes	Specific Conc. Limits
Amides, coco alkyl, N-(hydroxyethyl), ethoxylated	CAS No 68425-44-5 EC No 500-211-2	1 – < 5	Eye Dam. 1 / H318			
Alcohols, C9-11 ethoxylated, < 2.5 EO	CAS No 68439-46-3 REACH Reg. No 01-2119980051-45-xxxx	1 – < 5	Eye Dam. 1 / H318			
2-(2-Butoxyethoxy)ethanol	CAS No 112-34-5 EC No 203-961-6 REACH Reg. No 01-2119475104-44-xxxx	1 – < 5	Eye Irrit. 2 / H319		GH S- HC IO EL V	
Kaliumhydroxid	CAS No 1310-58-3 EC No 215-181-3 REACH Reg. No 01-2119487136-33-xxxx	< 1	Acute Tox. 4 / H302 Skin Corr. 1A / H314 Eye Dam. 1 / H318	 	GH S- HC	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Dam. 1; H318: C ≥ 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %

Notes

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

IOELV: Substance with a community indicative occupational exposure limit value

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water. Take off contaminated clothing.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage ((sawdust, kieselgur (diatomite), sand, universal binder).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas. Never add water to this product.

- Handling of incompatible substances or mixtures

Do not mix with acids.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

Incompatible substances or mixtures

Observe hints for combined storage.

- Control of effects

- Protect against external exposure, such as frost

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Consideration of other advice

- Observe instructions for use. Keep out of reach of children.
- Packaging compatibilities
 - Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Notation	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Source
DE	2-(2-butoxyethoxy)ethanol	112-34-5	va, Y	AGW	10	67	15	100.5			TRGS 900
EU	2-(2-butoxyethoxy)ethanol	112-34-5		IOELV	10	67.5	15	101.2			2006/15/EC

Notation

Ceiling-C

STEL

TWA

va

Y

ceiling value is a limit value above which exposure should not occur

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

as vapours and aerosols

a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological limit value (BGW) are adhered to

Relevant DNELs/DMELs/PNECs and other threshold levels

- relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	DNEL	2,080 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	DNEL	294 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	101.2 mg/m³	human, inhalatory	worker (industry)	acute - local effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	67.5 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	83 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	67.5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
potassium hydroxide	1310-58-3	DNEL	1 mg/m³	human, inhalatory	worker (industry)	chronic - local effects

- relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	PNEC	0.1038 mg/l	aquatic organisms	freshwater	short-term (single instance)
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	PNEC	0.1038 mg/l	aquatic organisms	marine water	short-term (single instance)
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	PNEC	1.4 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	PNEC	13.7 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	PNEC	13.7 mg/kg	aquatic organisms	marine sediment	short-term (single instance)

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Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	PNEC	1 mg/kg	terrestrial organisms	soil	short-term (single instance)
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	PNEC	0.014 mg/l	aquatic organisms	water	intermittent release
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	1.1 mg/l	aquatic organisms	freshwater	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.11 mg/l	aquatic organisms	marine water	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	200 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	4.4 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.44 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	56 mg/kg	aquatic organisms	water	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.32 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	11 mg/l	aquatic organisms	water	intermittent release

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)



Eye/face protection

Use safety goggle with side protection.

Skin protection

• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

• type of material

NR: natural rubber, latex, FKM: fluoro-elastomer

• breakthrough times of the glove material

>480 minutes (permeation: level 6)

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection

Full face mask/half mask/quarter mask (EN 136/140)

P2 (filters at least 94 % of airborne particles, colour code: White)

Environmental exposure controls

Use appropriate container to avoid environmental contamination.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	red
Odour	characteristic

Other physical and chemical parameters

pH (value)	13.5 (20 °C) (base)
Melting point/freezing point	not determined
Initial boiling point and boiling range	95 °C at 1.013 bar
Flash point	not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	not determined
Vapour pressure	0.023 bar at 20 °C
Density	0.999 g/ml (calculated value)
Solubility(ies)	
Water solubility	miscible in any proportion
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	210 °C
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

9.2 Other information

There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

oxidisers

Release of flammable materials with

light metals (due to the release of hydrogen in an acid/alkaline medium)

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

• Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
potassium hydroxide	1310-58-3	oral	500 mg/kg

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Name of substance	CAS No	Exposure route	Endpoint	Value	Species
2-(2-butoxyethoxy)ethanol	112-34-5	oral	LD50	2,410 mg/kg	mouse
2-(2-butoxyethoxy)ethanol	112-34-5	dermal	LD50	2,764 mg/kg	rabbit

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitizer.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

Wassergefährdungsklasse, WGK (water hazard class) (WGK; Germany): 1 (slightly hazardous to water)

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	LC50	7 mg/l	fish	96 h
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3	EC50	2.5 mg/l	aquatic invertebrates	48 h
2-(2-butoxyethoxy)ethanol	112-34-5	LC50	1,300 mg/l	fish	96 h
2-(2-butoxyethoxy)ethanol	112-34-5	EC50	>100 mg/l	aquatic invertebrates	48 h
2-(2-butoxyethoxy)ethanol	112-34-5	ErC50	1,101 mg/l	algae	72 h

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
2-(2-butoxyethoxy)ethanol	112-34-5	oxygen depletion	85 %	28 d

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Alcohols, C9-11 ethoxylated, < 2.5 EO	68439-46-3		3.75	
2-(2-butoxyethoxy)ethanol	112-34-5		1 (pH value: 7, 20 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

Endocrine disrupting potential

None of the ingredients are listed.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

List of wastes

not assigned

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

- 14.1** UN number **1719**
- 14.2** UN proper shipping name **CAUSTIC ALKALI LIQUID, N.O.S.**
Hazardous ingredients trisodium nitrilotriacetate, Kaliumhydroxid
- 14.3** Transport hazard class(es)
Class 8 (corrosive substances)
- 14.4** Packing group III (substance presenting low danger)
- 14.5** Environmental hazards none (non-environmentally hazardous acc. to the dangerous goods regulations)
- 14.6** Special precautions for user
Provisions for dangerous goods (ADR) should be complied within the premises.
- 14.7** Transport in bulk according to Annex II of MARPOL and the IBC Code
The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN number 1719
Proper shipping name CAUSTIC ALKALI LIQUID, N.O.S.
Class 8
Classification code C5
Packing group III
Danger label(s) 8



Special provisions (SP) 274
Excepted quantities (EQ) E1
Limited quantities (LQ) 5 L
Transport category (TC) 3
Tunnel restriction code (TRC) E
Hazard identification No 80

• International Maritime Dangerous Goods Code (IMDG)

UN number 1719
Proper shipping name CAUSTIC ALKALI LIQUID, N.O.S.
Class 8
Packing group III
Danger label(s) 8



Special provisions (SP) 223, 274
Excepted quantities (EQ) E1
Limited quantities (LQ) 5 L
EmS F-A, S-B
Stowage category A

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Segregation group 18 - Alkalies
• **International Civil Aviation Organization (ICAO-IATA/DGR)**
UN number 1719
Proper shipping name Caustic alkali liquid, n.o.s.
Class 8
Packing group III
Danger label(s) 8



Special provisions (SP) A3
Excepted quantities (EQ) E1
Limited quantities (LQ) 1 L

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

- Restrictions according to REACH, Annex XVII
None of the ingredients are listed.
- List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list
none of the ingredients are listed
- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II
none of the ingredients are listed
- Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)
none of the ingredients are listed
- Water Framework Directive (WFD)

Name of substance	CAS No	Listed in	Remarks
potassium hydroxide		a)	

Legend

A) Indicative list of the main pollutants

- Explosives precursors which are subject to restrictions
none of the ingredients are listed
- Regulation 648/2004/EC on detergents

Labelling of contents	
Constituents	Weight % content (or range)
non-ionic surfactants	less than 5 %

National regulations (Germany)

- Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water hazard class) 1 (slightly hazardous to water)

- Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	organic substances		5 – < 10 wt%	0.5 kg/h	50 mg/m ³	3)

Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

- Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK): 8 B (non-combustible corrosive materials (except only corrosive to metals))

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National inventories

Country	Inventory	Status
EU	REACH Reg.	not all ingredients are listed

Legend

REACH Reg. REACH registered substances

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Unique formula identifier (UFI): 5830-E01P-F00K-YWVX	Unique formula identifier (UFI): P800-U0RP-S00K-10KV	yes
3.2		Hazardous ingredients acc. to EU regulation: change in the listing (table)	yes
5.2	Hazardous combustion products: nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)	Hazardous combustion products: carbon monoxide (CO), carbon dioxide (CO2)	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
8.1		• relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		• relevant PNECs of components of the mixture: change in the listing (table)	yes
9.1	Density: 1.021 g/ml (calculated value)	Density: 0.999 g/ml (calculated value)	yes
9.1	Auto-ignition temperature: >200 °C	Auto-ignition temperature: 210 °C	yes
11.1		• Acute toxicity of components of the mixture: change in the listing (table)	yes
11.1		• Acute toxicity of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.2		Degradability of components of the mixture: change in the listing (table)	yes
12.3		Bioaccumulative potential of components of the mixture: change in the listing (table)	yes
15.1		• Water Framework Directive (WFD): change in the listing (table)	yes
15.1		Labelling of contents: change in the listing (table)	yes
15.1		• Technical instructions on air quality control (Germany): change in the listing (table)	yes
16		Abbreviations and acronyms: change in the listing (table)	yes
16		List of relevant phrases (code and full text as stated in section 2 and 3): change in the listing (table)	yes

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

4000 355711 (5 Ltr.) - 4000 355712 (10 Ltr.) - PROMAT CHEMICALS INDUSTRIEREINIGER



Version number: GHS 6.0

Replaces version of: 2021-11-30 (GHS 5)

Date of compilation: 2023-01-19

Abbreviations and acronyms

2006/15/EC.	Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.
Acute Tox.	Acute toxicity.
ADN.	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways).
ADR.	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).
AGW.	Workplace exposure limit.
ATE.	Acute Toxicity Estimate.
BCF.	Bioconcentration factor.
BOD.	Biochemical Oxygen Demand.
CAS.	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
Ceiling-C.	Ceiling value.
CLP.	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
CMR.	Carcinogenic, Mutagenic or toxic for Reproduction.
COD.	Chemical oxygen demand.
DGR.	Dangerous Goods Regulations (see IATA/DGR).
DMEL.	Derived Minimal Effect Level.
DNEL.	Derived No-Effect Level.
EC50.	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.
EC No.	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).
EINECS.	European Inventory of Existing Commercial Chemical Substances.
ELINCS.	European List of Notified Chemical Substances.
Ems.	Emergency Schedule.
ErC50.	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control.
Eye Dam.	Seriously damaging to the eye.
Eye Irrit.	Irritant to the eye.
GHS.	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
IATA.	International Air Transport Association.
IATA/DGR.	Dangerous Goods Regulations (DGR) for the air transport (IATA).
ICAO.	International Civil Aviation Organization.
IMDG.	International Maritime Dangerous Goods Code.
IOELV.	Indicative occupational exposure limit value.
LC50.	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.
LD50.	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.
LGK.	Lagerklasse (storage class according to TRGS 510, Germany).
Log KOW.	n-Octanol/water.
MARPOL.	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").
NLP.	No-Longer Polymer.
PBT.	Persistent, Bioaccumulative and Toxic.
PNEC.	Predicted No-Effect Concentration.
Ppm.	Parts per million.
REACH.	Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID.	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).
Skin Corr.	Corrosive to skin.
Skin Irrit.	Irritant to skin.
STEL.	Short-term exposure limit.
SVHC.	Substance of Very High Concern.
TRGS.	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
TRGS 900.	Arbeitsplatzgrenzwerte (TRGS 900).
TWA.	Time-weighted average.
VPvB.	Very Persistent and very Bioaccumulative.

Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

H302.	Harmful if swallowed.
H314.	Causes severe skin burns and eye damage.
H318.	Causes serious eye damage.
H319.	Causes serious eye irritation.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.