

SAFETY DATA SHEET

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

1.1 Product identifier

Z-Water X-Power

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

Relevant identified uses: Cleaning of surfaces

Uses advised against: No known

1.3 Details of the supplier of the safety data sheet

PT Professional

Nickelvägen 1

SE-371 50 Karlskrona

Sweden

+46 (0) 455-61 50 20

info@ptprofessional.se

ptprofessional.se

1.4 Emergency telephone number

+46 (0) 455-61 50 20 (office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

EU Regulation 1272/2008

Not classified

See section 16 for explanations to hazard statements

2.2 Label elements

EU Regulation 1272/2008

Supplemental Label elements

EUH210 Safety data sheet available on request

EU Regulation 648/2004

No additional labelling.

2.3 Other hazards

The product does not contain compounds classified PBT or vPvB.

The product does not contain compounds considered or suspected to have endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Compound	EC no	Reg. no	CAS no	Conc. %	Pictogram	Hazard statement ¹	Category
Potassium hydroxide	215-181-3	no info	1310-58-3	0.17	GHS07 GHS05	H302 H314	Acute Tox. 4 Skin Corr. 1A

1) See section 16 for explanations to Hazard statements

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Fresh air.

Skin contact

Wash the skin with water.

Eye contact

Rinse the eyes with lukewarm water.

Remove contact lenses.

Ingestion

Drink water.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

Not irritating.

Skin contact

Not irritating.

Eye contact

Eye exposure may cause a slight transient irritation.

Ingestion

May be mildly irritating in mouth and throat.

4.3 Indication of any immediate medical attention and special treatment needed

No available data.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Choose extinguishing media dependent on what is on fire in the vicinity, CO₂, dry chemicals, foam or water.

5.2 Special hazards arising from the substance or mixture

The product is not flammable.

5.3 Advice for firefighters

None in particular.

SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes.

6.2 Environmental precautions

No special precautions.

6.3 Methods and material for containment and cleaning up

Not relevant.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Avoid direct sunlight.

Store in closed containers.

7.3 Specific end use(s)

Cleaning of surfaces.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits Sweden (AFS 2023:14)

Compound	Long-term exposure limit (8h)	Short-term exposure limit (15 min)	Note
	mg/m ³ / ppm	mg/m ³ / ppm	
Potassium hydroxide - Inhalable fraction	1 / -	2 / -	The limit value is not considered relevant for a water solution of KOH.

8.2 Exposure controls

Personal protection

Respiratory protection – not normally required.

Protective gloves – not normally required.

Facial protection – not normally required. Avoid contact with eyes.

Protective clothing – not normally required.

Access to eye wash.

Environmental exposure controls

See section 13.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	clear liquid
Colour	colorless
Odour	no odour
pH (20°C)	12.5
Melting point	no information
Flash point	not flammable
Flammability	not flammable
Boiling point	100 °C
Ignition temp	no information
Density (at 20°C)	1.0
Viscosity	no information
Explosion limit	no information
Vapour pressure	no information

9.2 Other information

The product is soluble in water.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not liable to react during normal handling- and storage conditions.

10.2 Chemical stability

Stable during normal handling- and storage conditions.

10.3 Possibility of hazardous reactions

No known.

10.4 Conditions to avoid

Temperatures below 0 °C and high temperatures.

10.5 Incompatible materials

No known.

10.6 Hazardous decomposition products

No known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixtures

The mixture has not been tested.

Assessment based on ingredients

	Acute effects	Chronic effects
Inhalation	No known	No known
Skin contact	No known	No known
Eye contact	May be mildly irritating.	No known
Ingestion	May be mildly irritating in mouth and throat	No known

Sensitisation

Not expected to produce an allergic reaction.

Repeated dose toxicity

Not expected to be toxic upon repeated exposure.

Carcinogenicity

Not expected to be carcinogenic.

Mutagenicity

Not expected to be mutagenic.

Toxicity for reproduction

Not expected to be toxic for reproduction.

Interactive effects

No known.

Likely routes of exposure – skin.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The product does not contain compounds considered or suspected to have endocrine disrupting properties.

SECTION 12: Ecological information

12.1 Toxicity

Compound

Potassium hydroxide

LC₅₀ Fish 96h: 80 mg/l Species: *Gambusia affinis*

Mixture

The product has not been tested.

Based on ingredients – the product is not toxic to the environment.

12.2 Persistence and degradability

Compound

Potassium hydroxide

Ready biodegradable.

12.3 Bioaccumulative potential

Compound

Potassium hydroxide

Log Pow: < 0

12.4 Mobility in soil

The product is soluble in water and therefore considered mobile in soil.

12.5 Results of PBT and vPvB assessment

The product does not contain compounds classified PBT or vPvB.

12.6 Endocrine disrupting properties

The product does not contain compounds considered or suspected to have endocrine disrupting properties.

12.7 Other adverse effects

No known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Discarded unused product

Discarded unused product is NOT classified as hazardous waste according to EU Directive 2008/98/EC.

Could be poured into the drain.

Observe federal, state and local environmental regulations. Contact a licensed professional waste disposal service.

Packaging

Should be disposed of in accordance with national and local regulations.

SECTION 14: Transport information

The product is NOT classified as dangerous goods according to ADR/RID/IMO/DGR.

ADR/RID (road and railroad)

UN number

UN proper shipping name

Transport hazard class

Packing group

Classification code

Tunnel restriction code

Label

Limited quantities (LQ)

IMO (maritime)

UN number

UN proper shipping name

Transport hazard class

Packing group

Flash point

EmS

Marine pollutant

ICAO (air)

UN number

UN proper shipping name

Transport hazard class

Packing group

ICAO labels

Environmental hazards

No.

Special Precautions

None in particular.

Bulk transport according to Annex II, Marpol 73/78 and IBC code

The product is not transported in bulk.

SECTION 15: Regulatory information

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

ADR – European Agreement Concerning the International Carriage of Dangerous goods by Road.

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)

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

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

AFS 2023:14 - Arbetsmiljöverkets föreskrifter och allmänna råd om gränsvärden för luftvägsexponering i arbetsmiljön (*Occupational exposure limit values in Sweden*)

15.2 Chemical safety assessment

Chemical Safety Report is not available for the product.

SECTION 16: Other information

Indication of changes

Version 1.1 – Section 1, 8, 15, 16

Abbreviations

PBT Persistent, Bioaccumulative, Toxic
vPvB very Persistent, very Bioaccumulative

Key literature

This Safety Data Sheet is based on information from the manufacturer and databases of hazardous substances (Chemical Substances)

ECHA CHEM - <https://chem.echa.europa.eu/>

Classification and procedure used to derive the classification for mixtures

The classification of the product is based on classification of the components according to REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

Manufacturer

PT Professional, Nickelvägen 1, 371 50 Karlskrona, Sweden
Phone: +46(0)455 - 61 50 20

Relevant hazard statements in section 3

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage

Advice on training

See section 8.

Other

-

This Safety Data Sheet has been produced by AdvocoTox AB, Sweden,
info@advocotox.se, www.advocotox.se