

## PL Phosphorous 1 HR

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

#### 1.1 - Product identifier

Trade name/designation PL Phosphorous 1 HR

Chemical name

Product-type Mixture

Product code PL154-kit

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

Relevant identified uses - Reagent for water analysis

Uses advised against - Other

#### 1.3 - Details of the supplier of the safety data sheet

Water-I.D. GmbH

Daimlerstr. 20

76344 Eggenstein Germany

Telephone : +49 (0) 721 - 78 20 29 - 0 Fax +49 (0) 721 - 78 20 29 - 11

Website [www.water-id.com](http://www.water-id.com)

EHS / Compliance: [lab@water-id.com](mailto:lab@water-id.com)

#### 1.4 - Emergency telephone number

- Poison Control Center Munich

Tel: +49 (0) 89 / 19 24 0

Germany

24 hour service

Languages: German, English

please also call from: United Kingdom

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

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

Met. Corr. 1	Corrosive to metals - Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
Eye Dam. 1	Serious eye damage, Category 1

#### 2.2 - Label elements

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

Contains: sodium hydroxide (CAS No.: 1310-73-2)

Signal word : Danger

Hazard pictograms



Hazard statements

H290	May be corrosive to metals
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H314	Causes severe skin burns and eye damage
Precautionary statements	
P234	Keep only in original packaging.
P260	Do not breathe mist, vapours, spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves, protective clothing, eye protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER, a doctor.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in a corrosion resistant plastic container with a resistant inner liner.
P501	Dispose of contents, container to an appropriate recycling or disposal facility.
EUH-phrases	: None

### 2.3 - Other hazards

PBT-substance. - No information available.

vPvB-substance. - No information available.

Other hazards which do not result in classification - No information available.

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
sodium hydroxide	CAS No. : 1310-73-2 Index No. : 011-002-00-6 EC No. : 215-185-5 REACH No. : 01-2119457892-27-xxxx	10 - 30	Eye Dam. 1 - H318 Met. Corr. 1 - H290 Skin Corr. 1A - H314	Eye Irrit. 2 - H319 : 0,5>=%<2 Skin Corr. 1A - H314 : 5>=%<=100 Skin Corr. 1B - H314 : 2>=%<5 Skin Irrit. 2 - H315 : 0,5>=%<2

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

Following inhalation

- Provide fresh air.
- When in doubt or if symptoms are observed, get medical advice.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.

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- Remove contaminated, saturated clothing immediately.
- In case of skin reactions, consult a physician.

### After eye contact

- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

### After ingestion

- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - Serious eye damage/eye irritation

Symptoms and effects - After ingestion - No information available.

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

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## SECTION 5: Firefighting measures

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### 5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO<sub>2</sub>)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

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

Special hazards arising from the substance or mixture - No information available.

### 5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

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## SECTION 6: Accidental release measures

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

For non-emergency personnel - Use personal protection equipment.

For emergency responders - No information available.

### 6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.

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

Methods and material for containment - Soak up inert absorbent and dispose as waste requiring special attention.

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Methods and material for cleaning up - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
- Clear contaminated areas thoroughly.

Inappropriate techniques - No information available.

### 6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1 - Precautions for safe handling

Recommendation - Avoid: Eye contact  
- It is recommended to design all work processes always so that the following is excluded: Eye contact  
- It is recommended to design all work processes always so that the following is excluded: Skin contact

Advices on general occupational hygiene - No information available.

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

- Store in a place accessible by authorized persons only.
- Keep away from: Food and feedingstuffs
- Only use containers specifically approved for the substance/product.

### 7.3 - Specific end use(s)

- Reagent for water analysis

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

### 8.2 - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment - Suitable eye protection: Eye glasses with side protection

- Suitable protective clothing: lab coat

- Suitable eye protection: Face protection umbrella



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- Suitable protective clothing: Protective apron



- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.



- Suitable material: NBR (Nitrile rubber)

### SECTION 9: Physical and chemical properties

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

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	colourless	<u>Odour</u>	odourless
Odour threshold		No data available	
pH		14 @ 20°C	
Melting point		No data available	
Freezing point		No data available	
Boiling point		100 °C	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		1,27 g/cm3	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

#### 9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available

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Conductivity	No data available
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### SECTION 10: Stability and reactivity

#### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

#### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

#### 10.4 - Conditions to avoid

- Acids

#### 10.5 - Incompatible materials

- Powdered metals

#### 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

### SECTION 11: Toxicological information

#### 11.1 - Information on toxicological effects

Acute toxicity - Not classified

#### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

Skin corrosion/irritation - Skin corrosion, Category 1A - Causes severe skin burns and eye damage

- Corrosive.

Serious eye damage/eye irritation - Serious eye damage, Category 1

- Risk of serious damage to eyes.  
- Causes serious eye irritation.  
- Corrosive.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

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<u>Carcinogenicity</u>	- Not classified
<u>Reproductive toxicity</u>	- Not classified
<u>STOT-single exposure</u>	- Not classified
<u>STOT-repeated exposure</u>	- Not classified
<u>Aspiration hazard</u>	- Not classified

### SECTION 12: Ecological information

#### 12.1 - Toxicity

##### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

#### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

#### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

#### 12.4 - Mobility in soil

- No information available.

#### 12.5 - Results of PBT and vPvB assessment

- No information available.

- No information available.

#### 12.6 - Other adverse effects

- No information available.

### SECTION 13: Disposal considerations

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### 13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- Waste for disposal is to be classified and labelled. - Do not mix with other wastes. - Consult the appropriate local waste disposal expert about waste disposal.
<u>Community or national or regional provisions</u>	- Dispose according to legislation.

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## SECTION 14: Transport information

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### 14.1 - UN number

<u>UN number (ADR)</u>	:	UN1824
<u>UN number (RID)</u>	:	UN1824
<u>UN number (IMDG)</u>	:	UN1824

### 14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	SODIUM HYDROXIDE SOLUTION
<u>UN proper shipping name (RID)</u>	:	SODIUM HYDROXIDE SOLUTION
<u>UN proper shipping name (IMDG)</u>	:	SODIUM HYDROXIDE SOLUTION

### 14.3 - Transport hazard class(es)

<u>ADR Transport hazard class(es)</u>	:	8
<u>ADR Classification code:</u>	:	C5
<u>Pictograms</u>		



<u>Transport hazard class(es) (RID)</u>	:	8
<u>Pictograms</u>		



<u>Transport hazard class(es) (IMDG)</u>	:	8
<u>Pictograms</u>		



### 14.4 - Packing group



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Packing group : II  
Packing group (RID) : II  
Packing group (IMDG) : II

### 14.5 - Environmental hazards

Environmental hazards : No  
Marine pollutant : No

### 14.6 - Special precautions for user

#### **ADR**

ADR Classification code : C5  
ADR Special provisions :  
ADR Limited quantity (LQ) : 1 L  
ADR Excepted quantities : E2  
ADR Packing instructions : P001 IBC02  
ADR Special packing provisions :  
ADR Mixed packing provisions : MP15  
Instructions for portable tanks and bulk containers : T7  
Special provisions for portable tanks and bulk containers : TP2  
ADR tank code : L4BN  
ADR tanks special provisions :  
Vehicle for tank carriage : AT  
ADR Transport category : 2  
ADR Tunnel restriction code : E  
ADR Special provisions loading, unloading and handling :  
Special provisions - Packages :  
Special provisions - Bulk :  
Special provisions - Operation :  
ADR Hazard identification number (Kemler No.) : 80

#### **RID**

Special provisions :  
Limited quantity (LQ) : 1 L  
Excepted quantities : E2

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### IMDG

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	1 L
<u>Excepted quantities</u>	:	E2
<u>Packing instructions</u>	:	
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>EmS codes</u>	:	F-A, S-B
<u>Stowage and handling</u>	:	A
<u>Segregation</u>	:	18 - Alkalien
<u>Properties and observations</u>	:	

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

### SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
1	10.01.2019	MSDS Erstellung

Abbreviations and acronyms - See overview table at [www.euphrac.eu](http://www.euphrac.eu)

Texts of the regulatory sentences

Eye Dam. 1	Serious eye damage, Category 1
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
Met. Corr. 1	Corrosive to metals - Category 1
Skin Corr. 1A	Skin corrosion, Category 1A

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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