

PL Oxygen Scavenger 1

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

1.1 - Product identifier

Trade name/designation PL Oxygen Scavenger 1
Chemical name
Product-type Mixture
Product code PL65OxyScav1
CAS No.

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
+49 (0) 721 - 78 20 29 - 0 Fax+49 (0) 721 - 78 20 29 - 11
EHS / Compliance: lab@water-id.com

1.4 - Emergency telephone number

- 毒物管理センター ミュンヘン
Tel: +49 (0) 89 / 19 24 0
ドイツ
24時間サービス
言語 ドイツ語, 英語
からもお電話ください。Japan

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Skin Irrit. 2	Irritation, Category 2
Eye Irrit. 2A	Eye irritation - Category 2A

2.2 - Label elements

Signal word Warning
Hazard pictograms



Hazard statements

H315	Causes skin irritation
H319	Causes serious eye irritation

Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves, protective clothing, eye protection.

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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.
P362+P364	Take off contaminated clothing and wash it before reuse.

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

- Not applicable

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
water	CAS No. : 7732-18-5 Index No. : EC No. : 231-791-2	89		Not applicable
nitric acid ... %	CAS No. : 7697-37-2 Index No. : 007-004-00-1 EC No. : 231-714-2	10		Not applicable
iron(III) nitrate nonahydrate	CAS No. : 7782-61-8 Index No. : EC No. :	1	Skin Corr. 1B - H314	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- No special measures are necessary.
- Provide fresh air.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin irritation, consult a physician.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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 - Causes skin irritation.

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Symptoms and effects - After eye contact - Causes eye irritation.

Symptoms and effects - After ingestion - No information available.

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- 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.

SECTION 6: Accidental release measures

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

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

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
- Avoid: Skin contact

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- 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

- No information available.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

8.3. - Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection



- Suitable protective clothing: lab coat



- Tested protective gloves must be worn



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>	light yellow	<u>Odour</u>	odourless
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
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	

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Density	No data available
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
Conductivity	No data available

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

- No information available.

10.5 - Incompatible materials

- No information available.

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

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	- Based on available data, the classification criteria are not met.
<u>Skin corrosion/irritation</u>	- Irritation, Category 2 - Causes skin irritation
	- Irritating to skin.
<u>Serious eye damage/eye irritation</u>	- Eye irritation - Category 2A - Causes serious eye irritation
	- Irritating to eyes.
<u>Respiratory or skin sensitisation</u>	- Not classified
<u>Germ cell mutagenicity</u>	- Not classified
<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.

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12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods : - Dispose of waste according to applicable legislation.

Sewage disposal : - No information available.

Special precautions for waste treatment : - No information available.

Community or national or regional provisions : - No information available.

SECTION 14: Transport information

14.1 - UN number

UN number (ADR) : UN3264
UN number (RID) : Not applicable
UN number (IMDG) : Not applicable
UN number (IATA) : Not applicable

14.2 - UN proper shipping name

UN proper shipping name (ADR) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
UN proper shipping name (RID) :
UN proper shipping name (IMDG) :
UN proper shipping name (IATA) :

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 8
ADR Classification code : C1
Pictograms



Transport hazard class(es) (RID) :
Pictograms
Transport hazard class(es) (IMDG) :
Pictograms
Transport hazard class(es) (IATA) :
Pictograms

14.4 - Packing group

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Packing group : III
Packing group (RID) :
Packing group (IMDG) :
Packing group (IATA) :

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

ADR

ADR Classification code : C1
ADR Special provisions : 274
ADR Limited quantity (LQ) : 5 L
ADR Excepted quantities : E1
ADR Packing instructions : P001 IBC03 LP01 R001
ADR Special packing provisions :
ADR Mixed packing provisions : MP19
Instructions for portable tanks and bulk containers : T7
Special provisions for portable tanks and bulk containers : TP1 TP28
ADR tank code : L4BN
ADR tanks special provisions :
Vehicle for tank carriage : AT
ADR Transport category : 3
ADR Tunnel restriction code : E
ADR Special provisions loading, unloading and handling :
ADR Hazard identification number (Kemler No.) : 80

RID

Special provisions :
Limited quantity (LQ) :
Excepted quantities :

IMDG

Special provisions :
Limited quantity (LQ) :
Excepted quantities :
Packing instructions :
Special packing provisions :
IBC instruction(s) :
IBC provisions :
Instructions for portable tanks and bulk containers :
Special provisions for portable tanks and bulk containers :
EmS codes :
Stowage and handling :
Segregation :
Properties and observations :

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IATA

<u>PCA - Excepted quantities</u>	:
<u>PCA - Limited Quantity - Packing Instructions</u>	:
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:
<u>PCA - Packing Instructions</u>	:
<u>PCA - Maximum Net Quantity per Package</u>	:
<u>CAO - Packing Instructions</u>	:
<u>CAO - Maximum Net Quantity per Package</u>	:
<u>Special Provisions</u>	:
<u>ERG Code</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

VOC content No data available

- Substance/product listed in the following inventories:

Community safety, health and environmental provisions, national laws Existing Chemical Substances (CSCL) (CAS No. : 7732-18-5, CAS No. : 7697-37-2).
Chemical Substances Requiring Labeling and Delivery of Documents (ISHA) (CAS No. : 7697-37-2, CAS No. : 7782-61-8).
Specified Chemical Substances (ISHA) (CAS No. : 7697-37-2).
Japan Poisonous and Deleterious Substances Control Act (CAS No. : 7697-37-2).
Japan Water Pollution Control Law (CAS No. : 7697-37-2).

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	13.05.2020	Creation

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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