

# SAFETY DATA SHEET

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



## VLOSEPT

Date revision : 01-11-2025

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name: VLOSEPT

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

Cleaning agent for wash water tanks of film- and photo processors. For professional users only.

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

Producer/supplier:

SAMA Water Products BV

Archimedesstraat 12

NL-3316AB Dordrecht

Netherlands

Tel. : +31 78 6393790

Email: [info@samawaterproducts.com](mailto:info@samawaterproducts.com)

#### 1.4 Emergency telephone number


Dutch National Poison Control Center (NVIC), Tel.: +31 (0) 30 274 8888

UK Poisons Emergency (24h service)(UK only): +44-(0)870-600-6266

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008


	GHS05 Danger
Skin corrosion, Category 1B H314: Causes severe skin burns and eye damage. Serious eye damage Category 1 H318: Causes serious eye damage	

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is labelled according to the CLP regulation.

Hazard pictograms:

	GHS05 Danger
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Signal word	Danger	
Hazard statements	H314	Causes severe skin burns and eye damage.
Precautionary statements	P280	Wear protective gloves (e.g. butyl rubber)/protective clothing/eye protection/face protection.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+P361+P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water or shower.

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Precautionary statements	P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
	P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:  
1310-58-3 Potassium hydroxide

Special labelling of certain mixtures

Labelling according to Regulation (EC) No. 648/2004: (< 5 %Phosphonates)




### 3. Other hazards

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.  
Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
Vapours may cause irritation to the eyes, respiratory system and the skin.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

Chemical nature: Solution of the following substances with harmless additives.

Hazardous components		Concentration
CAS-No.: 1310-58-3 EC-No.: 215-181-3 Indexnumber: 019-002-00-8 Registration number: 01-2119478136-33	Chemical name: Potassium hydroxide	
		Met. Corr. 1, H290
		Acute Tox. 4, H302
		Skin Corr. 1A, H314
		4,8%

For explanation of abbreviations see section 16.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

<b>General advice:</b>	Take off all contaminated clothing immediately.
<b>If inhaled:</b>	Move to fresh air. If symptoms persist, call a physician.
<b>In case of skin contact:</b>	Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
<b>In case of eye contact:</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
<b>If swallowed:</b>	Do NOT induce vomiting. Rinse mouth with water. Give small amounts of water to drink. Obtain medical attention.

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

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Symptoms : corrosive effects

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

Treatment: For specialist advice physicians should contact the Poisons Information Service

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray jet, Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

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

Specific hazards during firefighting : Gives off hydrogen by reaction with metals.

Hazardous combustion products : Carbon monoxide,  
Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately.  
This must not be discharged into drains.

## 6. ACCIDENTAL RELEASE MEASURES

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

Personal precautions : Use personal protective equipment.  
Avoid contact with skin and eyes

### 6.2 Environmental precautions

Environmental precautions : Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

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

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

See Section 8 + 13

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling : Wear personal protective equipment.  
Avoid contact with skin, eyes and clothing

Advice on protection against fire and explosion : No special protective measures against fire required. The product is not flammable.

Hygiene measures : Keep away from food and drinks.

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

Requirements for storage areas and containers : Store at room temperature in the original container

Further information on storage conditions : Keep away from heat. Keep away from direct sunlight. Keep container tightly closed. Recommended storage temperature 5-25°C

Advice on common storage : Do not store near acids.

### 7.3 Specific end use(s)

Specific use(s) : none

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Potassium hydroxide	1310-58-3	WEL	2 mg/m3	HSE

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Potassium hydroxide	Workers	Inhalation	Long-term local effects	1 mg/m <sup>3</sup>


### 8.2 Exposure controls

#### Engineering measures


Ensure that eyewash stations and safety showers are close to the workstation location.

#### Personal protective equipment

##### Eye protection

	Safety glasses with side-shields conforming to EN166
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##### Hand protection

	<p>The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.</p> <p>Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0.11 mm) made by KCL or gloves from other manufacturers offering the same protection.</p> <p>Prolonged contact: Nitrile rubber gloves e.g. Camatril (&gt;480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (&gt;480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.</p>
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Respiratory protection: No personal respiratory protective equipment normally required.

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Protective measures: Avoid contact with skin and eyes.

### 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	liquid
Colour	nearly colourless
Odour	nearly odourless
Odour Threshold	not determined
pH	ca. 14 (20 °C)
Melting point/freezing point	< -5 °C
Decomposition temperature	Not applicable
Boiling point/boiling range	ca. 100 °C,
Flash point	>100°C Method: ISO 2719
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	ca. 25 hPa (20 °C)
Vapour density	No data available
Relative density	ca. 1,12 g/cm <sup>3</sup> , 20 °C
Water solubility	in all proportions, 20 °C
Partition coefficient: n- octanol/water	Not applicable
Auto-ignition temperature	No data available
Viscosity, dynamic	ca. 3 mPa*s, ISO 3219
Explosive properties	Not data available
Oxidizing properties	Not data available

#### 9.2 Other information

No data available

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

The product is chemically stable.

#### 10.3 Possibility of hazardous reactions

Reaction with acids. Possible incompatibility with alkali sensitive materials.

#### 10.4 Conditions to avoid

No data available

#### 10.5 Incompatible materials

Acids, Ammonium salts

#### 10.6 Hazardous decomposition products

None reasonably foreseeable

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### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### Acute toxicity (product)

Acute oral toxicity	Acute toxicity estimate: > 5000 mg/kg
Acute inhalation toxicity	Acute toxicity estimate: > 50 mg/l
Acute dermal toxicity	Acute toxicity estimate: > 15000 mg/kg

##### Skin corrosion/irritation (product)

Causes severe skin burns and eye damage. Calculation method.

##### Serious eye damage/eye irritation (product)

Causes severe skin burns and eye damage. Calculation method.

##### Respiratory or skin sensitization (components)

###### Potassium hydroxide:

Did not cause sensitisation on laboratory animals. Guinea pig

##### Germ cell mutagenicity (components)

###### Potassium hydroxide:

Genotoxicity in vitro : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Germ cell mutagenicity-Assessment: Animal testing did not show any mutagenic effects.

##### Carcinogenicity (components)

###### Potassium hydroxide:

Carcinogenicity - Assessment: No data available

##### Reproductive toxicity (components)

###### Potassium hydroxide:

Reproductive toxicity - Assessment: No data available

##### STOT - single exposure (Component Potassium hydroxide)

The substance or mixture is not classified as specific target organ toxicant, single exposure.

##### STOT - repeated exposure (Component Potassium hydroxide)

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

##### Aspiration toxicity (Component Potassium hydroxide)

No data available

##### Further information:

###### Product

No data is available on the product itself.

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### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Components: Potassium hydroxide

Toxicity to fish	LC50 (Gambusia affinis (Mosquito fish)): 80 mg/l, Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available

#### 12.2 Persistence and degradability

<b>Product</b>	
Biodegradability	The methods for determining biodegradability are not applicable to inorganic substances.
Chemical Oxygen Demand (COD)	ca. 300 mg/l, 1% solution
<b>Components: Potassium hydroxide</b>	
Biodegradability	The methods for determining biodegradability are not applicable to inorganic substances

#### 12.3 Bioaccumulative potential

<b>Components: Potassium hydroxide</b>	
Bioaccumulation	Remarks: Does not bioaccumulate.

#### 12.4 Mobility in soil

<b>Components: Potassium hydroxide</b>	
Mobility	Remarks: Mobile in soils

#### 12.5 Results of PBT and vPvB assessment

<b>Product:</b> Assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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#### 12.6 Other adverse effects (product)

Additional ecological information	No data is available on the product itself.
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### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product	Dispose of the product according to the defined EWC (European Waste Code) No.
Contaminated packaging	Take empty packaging to the recycling plant.
Waste key for the unused	European waste catalog (EWC) 070601
Waste key for the unused (Group)      Product	Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

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### 14. TRANSPORT INFORMATION



#### 14.1 UN-Number

ADR, IMDG, IATA	UN 1814
IMDG	UN 1814
IATA (Cargo)	UN 1814

#### 14.2 UN proper shipping name

ADR	POTASSIUM HYDROXIDE, SOLUTION
IMDG	POTASSIUM HYDROXIDE, SOLUTION
IATA (Cargo)	POTASSIUM HYDROXIDE, SOLUTION

#### 14.3 Transport hazard class(es)

<b>ADR</b>  <b>Class</b> <b>Label</b>	<b>8 Corrosive</b> <b>8</b>
<b>IMDG, IATA</b>  <b>Class</b> <b>Label</b>	<b>8 Corrosive</b> <b>8</b>

#### 14.4 Packing group

	ADR	IMDG	IATA
Packing group	II	II	II
Classification code	C5	-	-
Hazard Identification Number	80	-	-
Labels	8	8	8
Tunnel restriction code	E	-	-
EmS Code	-	F-A, S-B	
Packing instruction (cargo aircraft)	-	-	855

#### 14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

#### 14.6 Special precautions for user

Not applicable



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

Not applicable for product as supplied

## 15. REGULATORY INFORMATION

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants	Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances	Not applicable
Volatile organic compounds	Remarks: none, Directive 2010/75/EC on the limitation of emissions of volatile organic compounds

Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

### 15.2 Chemical Safety Assessment

Exempt

## 16. OTHER INFORMATION

H290 : May be corrosive to metals

H302 : Harmful if swallowed

H314 : Causes severe skin burns and eye damage.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Met. Corr. : Corrosive to metals

Skin Corr. : Skin corrosion

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant;

DIN- Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory

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concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008.

Skin Corr. 1B, H314 : Calculation method

Eye Dam. 1, H318 : Calculation method

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