

### Periodic Acid 2 %

Revision date: 06.09.2023

Product code: 18652.xxxx

according to UK REACH Regulation

Page 1 of 12

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

### 1.1. Product identifier

Periodic Acid 2 %

UFI:

ACNN-M1UQ-U00V-WS9E

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

Use of the substance/mixture

laboratory reagent

#### Uses advised against

Any non-intended use.

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

Company name:	MORPHISTO GmbH				
Street:	Schumannstr. 142/144				
Place:	D-63069 Offenbach				
Telephone:	+49 (0) 69 / 400 3019-60	Telefax: +49 (0) 69 / 400 3019-64			
E-mail:	info@morphisto.de				
Contact person:	Morphisto GmbH				
E-mail:	gefahrstoffmanagement@morphisto.de				
Internet:	http://www.morphisto.de				
1.4. Emergency telephone	Poison Information Center Mainz, Germa	ny, Tel: +49(0)6131/19240			

#### number:

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

#### **GB CLP Regulation**

Met. Corr. 1; H290 Skin Corr. 1; H314 Eye Dam. 1; H318 STOT RE 2; H373

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

**GB CLP Regulation** 

Hazard components for labelling tetrahydroxyiodous acid

Signal word:

**Pictograms:** 



#### Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
ecautionary st	atements

### Precautionary statements

P234	Keep only in original packaging.
P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.



#### according to UK REACH Regulation

Periodic Acid 2 %					
Revision date: 06.09.2023	Product code: 18652.xxxxx	Page 2 of 12			
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.				
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.				
P314	Get medical advice/attention if you feel unwell.				

#### Labelling of packages where the contents do not exceed 125 ml

Signal word: Pictograms:



### Hazard statements

H314

#### **Precautionary statements**

P260-P280-P303+P361+P353-P305+P351+P338

#### 2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain any components that are considered to be hazardous according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in amounts of 0.1% or more have endocrine disrupting properties. Toxicological information: The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more have endocrine disrupting properties.

### **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

**Chemical characterization** 

aqueous solution

### Hazardous components

CAS No	Chemical name			Quantity	
	EC No	EC No Index No REACH No			
	Classification (GB CLP Regulation)				
10450-60-9	tetrahydroxyiodous acid			1 - < 5 %	
	233-937-0 01-2120784508-41				
	Ox. Sol. 1, Skin Corr. 1C, Eye Dam. 1, STOT RE 1, Aquatic Acute 1; H271 H314 H318 H372 H400				

Full text of H and EUH statements: see section 16.

### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. L	imits, M-factors and ATE		
10450-60-9	233-937-0	tetrahydroxyiodous acid	1 - < 5 %	
	Aquatic Acute 1; H400: M=10			

### **Further Information**

This product contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate List according to Article 59 of REACH.

### SECTION 4: First aid measures



according to UK REACH Regulation

### Periodic Acid 2 %

Revision date: 06.09.2023

Product code: 18652.xxxxx

Page 3 of 12

#### 4.1. Description of first aid measures

#### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Provide fresh air. Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Change contaminated clothing. In case of skin irritation, seek medical treatment.

#### After contact with eyes

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

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of of water. Adverse human health effects and symptoms: Gastric perforation. Do not allow a neutralisation agent to be drunk. Do NOT induce vomiting.Call a physician immediately.

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

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

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

#### Unsuitable extinguishing media

High power water jet.

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

Non-flammable. In case of fire may be liberated: Gas/vapours, toxic.

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

#### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### **SECTION 6: Accidental release measures**

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

#### General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Do not get in eyes, on skin, or on clothing. See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided.

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



according to UK REACH Regulation

### Periodic Acid 2 %

Revision date: 06.09.2023

Product code: 18652.xxxxx

Page 4 of 12

#### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Ensure adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Always close containers tightly after the removal of product.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Unsuitable container/equipment material: Metal. Keep container tightly closed in a cool, well-ventilated place. Suitable material for Container: polyethylene.

#### Hints on joint storage

Do not store together with: Oxidizing substances. Food and fodder.

#### Further information on storage conditions

Protect from direct sunlight. storage temperature: 15-25 °C

### 7.3. Specific end use(s)

laboratory reagent

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters



according to UK REACH Regulation

### Periodic Acid 2 %

Revision date: 06.09.2023

Product code: 18652.xxxxx

Page 5 of 12

### **DNEL/DMEL** values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
10450-60-9	tetrahydroxyiodous acid			
Worker DNEL,	, long-term	inhalation	systemic	0,1 mg/m³
Worker DNEL,	, acute	inhalation	systemic	0,3 mg/m³
Worker DNEL,	long-term	dermal	systemic	0,06 mg/kg bw/day
Worker DNEL,	, acute	dermal	systemic	0,2 mg/kg bw/day

#### **PNEC** values

CAS No	Substance		
Environmenta	Environmental compartment Value		
10450-60-9	tetrahydroxyiodous acid		
Freshwater		0 mg/l	
Marine water		0 mg/l	
Freshwater sediment 0 mg		0 mg/kg	
Marine sediment		0 mg/kg	
Micro-organisms in sewage treatment plants (STP) 2,2 m		2,2 mg/l	
Soil 0 mg/kg		0 mg/kg	

### Additional advice on limit values

To date, no national critical limit values exist.

#### 8.2. Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Ensure adequate ventilation. Use extractor hood (laboratory).

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Suitable eye protection: goggles. Tightly sealed safety glasses. EN 166

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. Pull-over gloves of rubber. EN ISO 374

Suitable material:

(penetration time (maximum wearing period): >= 8 h):

NBR (Nitrile rubber). (0,11 mm)

Protective clothing should be selected, depending on concentration and quantity of the hazardous substance. The chemical resistance of the products should be discussed with suppliers.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Use of protective clothing. Lab apron.



# according to UK REACH Regulation

### Periodic Acid 2 %

Revision date: 06.09.2023

Product code: 18652.xxxxx

Page 6 of 12

### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: generation/formation of aerosols Suitable respiratory protective equipment:: gas filtering equipment (EN 141). Type: B (grey)

#### **Environmental exposure controls**

Do not allow to enter into surface water or drains.

### **SECTION 9: Physical and chemical properties**

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

Physical state:	liquid	
Colour:	colourless	
Odour:	characteristic	
Melting point/freezing point:		<=0 °C
Boiling point or initial boiling poir	nt and	100 °C
boiling range:		
Flammability:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		not determined
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value (at 20 °C):		1,6 - 2,6
Viscosity / kinematic:		not determined
Water solubility:		miscible.
(at 20 °C)		
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/wa	ater:	not determined
Vapour pressure:		23 hPa
(at 20 °C)		
Density (at 20 °C):		1,01 g/cm <sup>3</sup>
Relative vapour density:		not determined
Particle characteristics:		not applicable
9.2. Other information		
Information with regard to physical	sical hazard classes	
Explosive properties		
The product is not: Explosive	9.	
Oxidizing properties		
The product is not: oxidising		
Other safety characteristics		
Evaporation rate:		not determined
Further Information		
No information available.		

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Corrosive to metals. Possibility of hazardous reactions. No information available.

#### 10.2. Chemical stability

Stable under normal storage and handling conditions.



### according to UK REACH Regulation

### Periodic Acid 2 %

Revision date: 06.09.2023

Product code: 18652.xxxxx

Page 7 of 12

#### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Base, Peroxides, Oxidizing agent.

#### 10.4. Conditions to avoid

heat. frost. moisture.

#### 10.5. Incompatible materials

Metal. Keep away from: Base, Oxidizing agent, Peroxides. Oxidizing agents, strong. strong alkalis

#### 10.6. Hazardous decomposition products

In case of fire may be liberated: Gas/vapours, toxic.

#### **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Acute toxicity

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

#### ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

#### Irritation and corrosivity

Causes severe skin burns and eye damage. (On basis of test data)

Causes serious eye damage. (On basis of test data)

#### Sensitising effects

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

### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

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

#### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (tetrahydroxyiodous acid)

#### Aspiration hazard

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

### 11.2. Information on other hazards

#### **Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

#### Other information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

#### **SECTION 12: Ecological information**

### 12.1. Toxicity

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



according to UK REACH Regulation

### Periodic Acid 2 %

Revision date: 06.09.2023

Product code: 18652.xxxxx

Page 8 of 12

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
10450-60-9	tetrahydroxyiodous acid						
	Acute fish toxicity	LC50 mg/l	>0,17	96 h		suppliers SDS.	
	Acute algae toxicity	ErC50	2,5 mg/l	72 h		suppliers SDS.	
	Acute crustacea toxicity	EC50 mg/l	0,086	48 h		suppliers SDS.	
	Acute bacteria toxicity	(EC50 mg/l)	220	3 h		suppliers SDS.	

### 12.2. Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

#### 12.3. Bioaccumulative potential

No information available.

#### 12.4. Mobility in soil

No information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

No information available.

### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### **Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

#### List of Wastes Code - residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

#### List of Wastes Code - used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

#### List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself.



according to UK REACH Regulation

<b>Periodic Ac</b>	id 2 %
--------------------	--------

Revision date: 06.09.2023

Product code: 18652.xxxxx

Page 9 of 12

### **SECTION 14: Transport information**

Land transport (ADR/RID)	
14.1. UN number or ID number:	UN 3264
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.(Orthoperiodsäure)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
Classification code:	C1
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E
Inland waterways transport (ADN)	
14.1. UN number or ID number:	UN 3264
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.(Orthoperiodsäure)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
	B C C C C C C C C C C C C C C C C C C C
Classification code:	C1
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1
Marine transport (IMDG)	
<u>14.1. UN number or ID number:</u>	UN 3264
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.(·Orthoperiodic acid·)
14.3. Transport hazard class(es):	8
14.4. Packing group:	
Hazard label:	
Special Provisions:	223 274
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-A, S-B
Segregation group:	1 - acids
Air transport (ICAO-TI/IATA-DGR)	
14.1. UN number or ID number:	UN 3264
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.(·Orthoperiodic acid·)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8



### according to UK REACH Regulation

Periodic Acid 2 %				
Revision date: 06.09.2023	Product code	: 18652.xxxx	Page 10 of 12	
	8			
Special Provisions: Limited quantity Passenger: Passenger LQ: Excepted quantity: IATA-packing instructions - Passenger:	A3 A803 1 L Y841 E1	852		
IATA-max. quantity - Passenger: IATA-packing instructions - Cargo: IATA-max. quantity - Cargo:		5 L 856 60 L		
14.5. Environmental hazards				
ENVIRONMENTALLY HAZARDOUS:	No			
<ul> <li>14.6. Special precautions for user Warning: strongly corrosive. Refer to s</li> <li>14.7. Maritime transport in bulk according to not relevant</li> </ul>				
SECTION 15: Regulatory information				
15.1. Safety, health and environmental regu	letiene (le vieletien en			
EU regulatory information Restrictions on use (REACH, annex XVII): Entry 3, Entry 75 Information according to 2012/18/EU (SEVESO III):		/18/EU (SEVESO III)		
Additional information				
This preparation is hazardous in the se	ense of regulation (EC)	) No 1272/2008 [GHS].		
National regulatory information				
Employment restrictions:	work protection guid		enile	
Water hazard class (D):	3 - highly hazardous	s to water		
<u>15.2. Chemical safety assessment</u> For the following substances of this mi tetrahydroxyiodous acid	xture a chemical safet	y assessment has been carried out:		
SECTION 16: Other information				
Changes Rev. 2,0; 06.09.2023; Individual safety	data sheet based on	11167_collect		
Abbreviations and acronyms ADR: Accord européen sur le transpor concerning the	t des marchandises da	angereuses par Route (European Agreement		
RID: Règlement international concerna (Regulations Concerning the International Transport IMDG: International Maritime Code for IATA: International Air Transport Assoc IATA-DGR: Dangerous Goods Regulat ICAO: International Civil Aviation Orga	of Dangerous Goods Dangerous Goods ciation tions by the "Internatio			



according to UK REACH Regulation

Periodic Acid 2 %           Revision date: 66.09.2023         Product code: 18652.xxxxx         Page 11 of 12           ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)         GHS: Globally Harmonized System of Classification and Labelling of Chemicals           GefStoffV: Gefahrstoffverortnung (Ordinance on Hazardous Substances, Germany)         LCSO: Lethal dossis, 50 percent           NOAEL: No observed adverse effect         LOAEL: No observed adverse effect           LOAEL: Iowest observed adverse effect         CAP: Classification, Ibaelling and Packaging           REACH: Registration, Evaluation and Authorization of Chemicals         GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals           UN: United Nations         CAS: Chemical Abstracts Service         DBEL: Derived No Effect Level           DMEL: Derived No Effect Level         DMEL: Derived No Effect Level         DMEL: Derived No Effect Level           DMEL: Derived No Effect Concentration 50%         ELGSO: Effective Concentration 50%         ELGSO: Effective Concentration 50%           ELGSO: Effective Concentration 50%         ELGSO: Effective Concentration 50%         ELGSO: Effective Concentration 60%           RVE: Avgualitations accounting the International Carriage of Dangerous Goods by Road)         RD: Regulations accounce ing the International Carriage of Dangerous Goods by Nauel           RDE: Enclose Classification nethentonian Carriage of Dangerous Goods by Inland Waterways (Accoord			
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)         GHS: Globally Harmonized System of Classification and Labelling of Chemicals         CefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)         LLG80: Lethal concentration, 50 percent         NOAEL: No observed adverse effect         LOAEL: Iowest observed adverse effect         C.P. Classification, Labelling and Packaging         REACH: Registration, Evaluation and Authorization of Chemicals         GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals         UN: United Nations         CAS: Chemical Abstracts Service         DNEL: Derived Minimal Effect Level         DNE: Loss Lethal dosen, 50%         LL50: Lethal dosen, 50%         LL50: Lethal dosen, 50%         LL50: Lethal dosen, 50%         LL50: Lethal socumulative         NDEC: No Observed Effect Concentration         BCF: Bio-concentration 50%         VPS: very persistent, bioaccumulative         ADR: Accord européen sur le transport des marchandises dangereuses par Route         (European		Periodic Acid 2 %	
GHS: Globally Harmonized System of Classification and Labelling of Chemicals         GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)         LC50: Lethal dosis, 50 percent         NOAEEL: No observed adverse effect         LDAEL: Iowest observed adverse effect         CAFL: Registration, Evaluation and Authorization of Chemicals         GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals         UN: United Nations         CAS: Chemical Abstracts Service         DMEL: Derived No Effect Level         PMEC: Predicted No Effect Level         PMEC: Predicted No Effect Level         PMEC: Predicted No Effect Concentration         ATE: Acute toxicity estimate         LC50: Lethal concentration, 50%         LD50: Lethal loading, 50%         EC50: Effective Concentration 50%, growth rate         NOEC: No Observed Effect Concentration         BCF: Bio-concentration foor         PHT: persistent, bioaccumulative, toxic         VPWE: very persistent, very bioaccumulative, toxic         VPWE: very persistent, very bioaccumulative, toxic         ADR: Accord européen sur le transport des marchandises dangereuses par Route         (European Agreement concerning the International Carriage of Dangerous Goods by Itali         ADN: European Agreement concerning the International Carriage of Dangerous Goods by Itali	Revision date: 06.09.2023	Product code: 18652.xxxx	Page 11 of 12
assessment, chapter R.20 (Table of terms and abbreviations).         Classification for mixtures and used evaluation method according to GB CLP Regulation         Classification       Classification procedure         Met. Corr. 1; H290       On basis of test data         Skin Corr. 1; H314       On basis of test data	ICAO-TI: Technical Instruction GHS: Globally Harmonized S GefStoffV: Gefahrstoffverordr LC50: Lethal concentration, 5 LD 50: Lethal dosis, 50 percent NOAEL: No observed advers LOAEL: lowest observed advers LOAEL: lowest observed advers LOAEL: lowest observed advers CAP: Classification, labelling REACH: Registration, Evaluat GHS: Globally Harmonised S UN: United Nations CAS: Chemical Abstracts Sert DNEL: Derived No Effect Lev DMEL: Derived No Effect Lev DMEL: Derived Minimal Effect PNEC: Predicted No Effect C ATE: Acute toxicity estimate LC50: Lethal concentration, 5 LD50: Lethal loading, 50% EL50: Effect loading, 50% EL50: Effect loading, 50% EC50: Effective Concentration BCF: Bio-concentration factod PBT: persistent, bioaccumula vPvB: very persistent, very bi ADR: Accord européen sur let (European Agreement concel RID: Regulations concerning ADN: European Agreement concel RID: Regulations concerning ADN: Europe	ns by the "International Civil Aviation Organization" (ICAO) ystem of Classification and Labelling of Chemicals ung (Ordinance on Hazardous Substances, Germany) i0 percent int e effect erse effect and Packaging tion and Authorization of Chemicals ystem of Classification, Labelling and Packaging of Chemicals vice el t Level oncentration 50% n 50%, growth rate Concentration r tive, toxic oaccumulative is ransport des marchandises dangereuses par Route ming the International Carriage of Dangerous Goods by Road) the international Carriage of Dangerous Goods by Inland Waterways ansport international des marchandises dangereuses par voies de navigation f enterning the International Carriage of Dangerous Goods by Inland Waterways ansport international des marchandises dangereuses par voies de navigation f f ention for the Prevention of Marine Pollution from Ships iner gh Concern	
Classification       Classification procedure         Met. Corr. 1; H290       On basis of test data         Skin Corr. 1; H314       On basis of test data			
Met. Corr. 1; H290     On basis of test data       Skin Corr. 1; H314     On basis of test data			
Skin Corr. 1; H314 On basis of test data			
Eye Dam. 1; H318 On basis of test data			
	Eye Dam. 1; H318	On basis of test data	

#### Relevant H and EUH statements (number and full text)

H271	May cause fire or explosion; strong oxidiser.
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

Calculation method

STOT RE 2; H373



according to UK REACH Regulation

### Periodic Acid 2 %

Product code: 18652.xxxxx

Page 12 of 12

Revision date: 06.09.2023

### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. 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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)