



according to Regulation (EC) No 1907/2006

## 20847-69 Potassium Persulfate Powder Pillows

Revision date: 19.05.2020 Product code: 2084769 Page 1 of 9

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

# 1.1. Product identifier

20847-69 Potassium Persulfate Powder Pillows

CAS No: 7727-21-1 Index No: 016-061-00-1 EC No: 231-781-8

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

#### Use of the substance/mixture

Water analysis

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

Company name: HACH LANGE GmbH
Street: Willstätterstr. 11
Place: D-40549 Düsseldorf
Telephone: +49 (0)211 5288-383
e-mail: SDS@hach.com
Internet: www.de.hach.com
Responsible Department: HACH LANGE Ltd.

5, Pacific Way

Salford Manchester M50 1DL - United Kingdom Tel. +44 (0) 161 872 1487 \* Fax +44 (0) 161 848 7324

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HACH LANGE Ltd.

Unit 1, Chestnut Road Western Industrial Estate

IRL-Dublin 12

Tel. +353 (0)1 4602522 e-Mail: info-ie@hach.com

**1.4. Emergency telephone** Poison Control Center Mainz: Tel: +49 (0) 6131 19240 - 24 hour emergency

number: service -

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

## Regulation (EC) No. 1272/2008

Hazard categories:

Oxidising solid: Ox. Sol. 3
Acute toxicity: Acute Tox. 4
Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2 Respiratory or skin sensitisation: Resp. Sens. 1

Respiratory or skin sensitisation: Resp. Sens. 1
Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements: May intensify fire; oxidiser. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction. May cause respiratory irritation.

## 2.2. Label elements



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# Regulation (EC) No. 1272/2008

## Hazard components for labelling

dipotassium peroxodisulphate; potassium persulphate

Signal word: Danger

Pictograms:







#### **Hazard statements**

H272	May intensity fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
11224	Marrania allamorran anthonas a

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

# Precautionary statements

recautionary statemen	its
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P220	Keep away from clothing and other combustible materials.

# Additional advice on labelling

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

## 2.3. Other hazards

None known.

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

# 3.1. Substances

### **Hazardous components**

CAS No	Chemical name	Chemical name			
	EC No	Index No	REACH I	No	
	GHS Classification		-		
7727-21-1	dipotassium peroxodisu	dipotassium peroxodisulphate; potassium persulphate			
	231-781-8	016-061-00-1			
	Ox. Sol. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3; H272 H302 H315 H319 H334 H317 H335				

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

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures





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#### **General information**

Take off all contaminated clothing immediately.

#### After inhalation

Move to fresh air.

#### After contact with skin

Wash off immediately with plenty of water. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

#### After contact with eves

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### After ingestion

Clean mouth with water and drink afterwards plenty of water. Call a physician immediately. Show this safety data sheet to the doctor in attendance. Do NOT induce vomiting.

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

Allergic reactions, sensitising effects, irritant effects

### 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

Dry powder, Carbon dioxide (CO2)

# Unsuitable extinguishing media

Water, Foam

# 5.2. Special hazards arising from the substance or mixture

Oxidising

Keep away from combustible material. Fire may liberate hazardous vapours. The following may develop in event of fire: sulfur oxides.

### 5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### **Additional information**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

# **SECTION 6: Accidental release measures**

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

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

# 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

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

Use mechanical handling equipment.

#### 6.4. Reference to other sections

13. Disposal considerations

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

#### 7.1. Precautions for safe handling

# Advice on safe handling

Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing.



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## Advice on protection against fire and explosion

Strong oxidizing agents

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

### Requirements for storage rooms and vessels

Keep container tightly closed in a dry and well-ventilated place.

#### Hints on joint storage

Keep away from combustible material.

### 7.3. Specific end use(s)

Laboratory chemicals

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

#### 8.1. Control parameters

# **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
7727-21-1	(OLD) Dipotassium peroxodisulphate (measured as [S208])	-	1		TWA (8 h)	OES

#### Additional advice on limit values

None known.

#### 8.2. Exposure controls

## Appropriate engineering controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

# Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Wash hands before breaks and after work.

# Eye/face protection

Safety glasses with side-shields

#### Hand protection

Use barrier skin cream.

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. In full contact: Gloves material: Viton, Layer thickness: 0.70 mm, Breakthrough time: >480 min. In splash contact: Glove material: nitrile rubber, Layer thickness 0,20 mm, Breakthrough time: > 30 min

#### Respiratory protection

Breathing apparatus only if aerosol or dust is formed.

Recommended Filter type: ABEK-filter

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

# 9.1. Information on basic physical and chemical properties

Physical state: solid
Colour: white
Odour: odourless

Test method

pH-Value (at 20 °C): 4,1 (5 % solution)

Changes in the physical state

Melting point: 100 °C Decomposition temperature

Initial boiling point and boiling range: not applicable



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Sublimation point:not applicableSoftening point:not applicablePour point:not applicableFlash point:not applicable

Flammability

Solid: not applicable
Gas: not applicable

**Explosive properties** 

not applicable

Lower explosion limits:

Upper explosion limits:

Ignition temperature:

not applicable

not applicable

**Auto-ignition temperature** 

Solid: no data available
Gas: no data available
Decomposition temperature: approx. 100 °C

**Oxidizing properties** 

Oxidising

Vapour pressure:

Density (at 20 °C):

Bulk density:

Water solubility:

(at 20 °C)

52 g/L

(at 20 °C)

Solubility in other solvents

no data available

Partition coefficient: no data available Viscosity / dynamic: not applicable Viscosity / kinematic: not applicable not applicable Flow time: Vapour density: not applicable Evaporation rate: not applicable Solvent separation test: not applicable Solvent content: not applicable

9.2. Other information

Solid content: no data available

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Reactivity Hazard: Oxidizing agents

# 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Reacts with the following substances: Water, Metals, Heavy metals, Strong bases, Reducing agents, Acids



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### 10.4. Conditions to avoid

No dangerous reaction known under conditions of normal use.

To avoid thermal decomposition, do not overheat.

### 10.5. Incompatible materials

Strong bases, Acids, Metals, Reducing agents, Combustible material

# 10.6. Hazardous decomposition products

Sulphur oxides, nitrogen oxides (NOx)

# **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### **Acute toxicity**

Harmful if swallowed.

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
7727-21-1	dipotassium peroxodisulphate; potassium persulphate					
	oral	LD50 802 mg/kg	Rat	GESTIS		

### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

## Sensitising effects

May cause allergy or asthma symptoms or breathing difficulties if inhaled. (dipotassium peroxodisulphate; potassium persulphate)

May cause an allergic skin reaction. (dipotassium peroxodisulphate; potassium persulphate)

# Carcinogenic/mutagenic/toxic effects for reproduction

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

### STOT-single exposure

May cause respiratory irritation. (dipotassium peroxodisulphate; potassium persulphate)

# STOT-repeated exposure

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

### **Aspiration hazard**

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

### Specific effects in experiment on an animal

No toxicology information is available.

#### **Further information**

Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

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

#### 12.1. Toxicity

Acute fish toxicity = Poecilia reticulato LC50: 100 mg/l/96h Toxicity to daphnia = Daphnia magna EC50: 357 mg/l/24h Toxicity to bacteria = Pseudomonas putida EC50: 36 mg/l

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d] Species	Source	Method
7727-21-1	dipotassium peroxodisulphate; potassium persulphate				
	Acute fish toxicity	LC50 100 mg/	96 h Poecilia reticulata	Hommel	





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### 12.2. Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

#### 12.3. Bioaccumulative potential

No data is available on the product itself.

### 12.4. Mobility in soil

no data available

# 12.5. Results of PBT and vPvB assessment

no data available

#### 12.6. Other adverse effects

No known effect.

#### **Further information**

Do not flush into surface water or sanitary sewer system.

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

#### 13.1. Waste treatment methods

#### **Disposal recommendations**

In accordance with local and national regulations.

#### 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

# **SECTION 14: Transport information**

Land transport (ADR/RID)

**14.1. UN number:** UN 1492

**14.2. UN proper shipping name:** Potassium persulphate

14.3. Transport hazard class(es): 5.1 14.4. Packing group: III

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

Not tested

Marine transport (IMDG)

**14.1. UN number:** UN 1492

14.2. UN proper shipping name: Potassium persulphate

14.3. Transport hazard class(es):5.114.4. Packing group:IIIMarine pollutant:--

EmS: F-A,S-Q

Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1492

14.2. UN proper shipping name: Potassium persulphate

14.3. Transport hazard class(es): 8
14.4. Packing group: III





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### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

# 14.6. Special precautions for user

no data available

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

#### Other applicable information

Additional Information: This product may be shipped as part of a chemical kit composed of various compatible dangerous goods for analytical or testing purposes. This kit would have the following classification: Proper Shipping Name: Chemical Kit, Hazard Class: 9, UN Number3316, Package group II, EMS Code: F-A, S-P These transport data apply to the entire pack

## **SECTION 15: Regulatory information**

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

#### **EU** regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

#### **Additional information**

Classification according to EU Directives 67/548/EEC or 1999/45/EC

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

# **National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or

nursing mothers.

Water hazard class (D): 1 - slightly hazardous to water

## 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

# Changes

Revision: 19.05.2020

Safety datasheet sections which have been updated: 2, 11

Revision: 03.001.2019

Safety datasheet sections which have been updated: 11, 15

Revision: 13.12.2016

Safety datasheet sections which have been updated: 2, 4, 8, 11

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

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

#### **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.





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# 21060-69 PhosVer3 Phosphate Reagent

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

## 1.1. Product identifier

21060-69 PhosVer3 Phosphate Reagent

UFI: GAA9-2DWC-F00U-5HKJ

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

#### Use of the substance/mixture

Water analysis

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

Company name: HACH LANGE GmbH
Street: Willstätterstr. 11
Place: D-40549 Düsseldorf
Telephone: +49 (0)211 5288-383
e-mail: SDS@hach.com
Internet: www.de.hach.com
Responsible Department: HACH LANGE Ltd.

5, Pacific Way

Salford Manchester M50 1DL - United Kingdom Tel. +44 (0) 161 872 1487 \* Fax +44 (0) 161 848 7324

e-Mail: info-uk@hach.com

HACH LANGE Ltd.

Unit 1, Chestnut Road Western Industrial Estate

IRL-Dublin 12

Tel. +353 (0)1 4602522 e-Mail: info-ie@hach.com

**1.4. Emergency telephone** Poison Control Center Mainz: Tel: +49 (0) 6131 19240 - 24 hour emergency

number: service -

# **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

# Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements: Causes skin irritation.

Causes serious eye damage.

### 2.2. Label elements

# Regulation (EC) No. 1272/2008

#### Hazard components for labelling

Potassium disulfate

Signal word: Danger

Pictograms:



# **Hazard statements**

H315 Causes skin irritation.



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H318 Causes serious eye damage.

### **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

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/doctor.

# Additional advice on labelling

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

#### 2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

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

### 3.2. Mixtures

## **Hazardous components**

CAS No	Chemical name				
	EC No	Index No	REACH No		
	GHS Classification				
7790-62-7	Potassium disulfate			80-85 %	
	232-216-8		01-2119987095-26		
	Skin Corr. 1A, Eye Dam. 1; H314 H	1318			
50-81-7	Ascorbic acid			15-20 %	
	200-066-2				
7631-95-0	Sodium molybdate			1-10 %	
	231-551-7				
	Acute Tox. 4, Acute Tox. 4, Eye Irrit	. 2; H332 H302 H319			

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

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

#### General information

Take off contaminated clothing and shoes immediately.

Show this safety data sheet to the doctor in attendance.

### After inhalation

Move to fresh air. Consult a physician after significant exposure.

#### After contact with skin

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

### After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### After ingestion

Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately. Show this safety data sheet to the doctor in attendance.





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

Irritation and corrosion

## 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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable extinguishing media

No Limit

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

The following may develop in event of fire: sulfur oxides., Carbon monoxide, Carbon dioxide (CO2), Sodium oxides

### 5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

#### Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

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

Use personal protective equipment. Only qualified personnel equipped with suitable protective equipment may intervene. Immediately evacuate personnel to safe areas.

Do not breathe vapours, mist or gas.

# 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

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

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

# 6.4. Reference to other sections

13. Disposal considerations

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

# Advice on safe handling

Use only in well-ventilated areas. Do not breathe vapours/dust. Avoid contact with skin and eyes.

## Advice on protection against fire and explosion

None known.

See also section 5

# Further information on handling

Observe label precautions.

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

# Requirements for storage rooms and vessels

Keep at temperatures between 10 and 25 °C.

## 7.3. Specific end use(s)

Laboratory chemicals





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

### 8.1. Control parameters

### Additional advice on limit values

None known.

#### 8.2. Exposure controls

## Appropriate engineering controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

## Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Wash hands before breaks and at the end of workday.

# Eye/face protection

Safety glasses with side-shields

### Hand protection

Use barrier skin cream.

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. In full contact: Gloves material: Viton, Layer thickness: 0.70 mm, Breakthrough time: >480 min. In splash contact: Glove material: nitrile rubber, Layer thickness 0,20 mm, Breakthrough time: > 30 min

#### Skin protection

Avoid contact with skin, eyes and clothing.

#### Respiratory protection

Provide adequate ventilation.

# SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Physical state: solid
Colour: white
Odour: odourless

pH-Value (at 20 °C): 1,5 (5 % solution)

Changes in the physical state

Melting point: 105 °C
Initial boiling point and boiling range: no data available
Sublimation point: no data available
Softening point: no data available
Pour point: no data available
: no data available
: no data available
: no data available
Sustaining combustion: No data available

**Flammability** 

Solid: not applicable
Gas: not applicable

**Explosive properties** 

not applicable

Lower explosion limits:

Upper explosion limits:

no data available

no data available



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Ignition temperature: no data available

**Auto-ignition temperature** 

Solid: no data available
Gas: no data available
Decomposition temperature: no data available

**Oxidizing properties** 

no data available

Vapour pressure:no data availableVapour pressure:no data availableDensity (at 20 °C):2,22 g/cm³Bulk density:no data availableWater solubility:soluble

(at 20 °C)

Solubility in other solvents

Acids

no data available Partition coefficient: Viscosity / dynamic: no data available Viscosity / kinematic: no data available Flow time: no data available Vapour density: no data available Evaporation rate: no data available no data available Solvent separation test: Solvent content: no data available

9.2. Other information

Solid content: no data available

no data available

# **SECTION 10: Stability and reactivity**

# 10.1. Reactivity

no data available

# 10.2. Chemical stability

Stable under recommended storage conditions.

# 10.3. Possibility of hazardous reactions

Reacts with the following substances: Oxidizing agents, Iron, Copper, Bases

### 10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

# 10.5. Incompatible materials

Oxidizing agents

Bases

#### 10.6. Hazardous decomposition products

Carbon dioxide (CO2), Carbon monoxide, Sulphur oxides

# **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects



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### **Acute toxicity**

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

CAS No	Chemical name	Chemical name				
	Exposure route	Dose		Species	Source	Method
50-81-7	Ascorbic acid					
	oral	LD50 mg/kg	11900	rat	RTECS	
7631-95-0	Sodium molybdate					
	oral	LD50 mg/kg	4233	rat		
	dermal	LD50 mg/kg	>2000	rat		
	inhalation vapour	ATE	11 mg/l			
	inhalation (4 h) aerosol	LC50	2,08 mg/l	rat		

### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage. Skin corrosion: Not applicable.

Test Method: Animal studies, rabbit skin

#### 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

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

# **Aspiration hazard**

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

# Specific effects in experiment on an animal

No data is available on the product itself.

Potassium disulfate LD50/oral/rat = 2340 mg/kg Sodium molybdate LD50/oral/rat = 4000 mg/kg Ascorbic acid LD50/oral/rat = 11900 mg/kg

### Further information

Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

# **SECTION 12: Ecological information**

# 12.1. Toxicity

No data is available on the product itself.





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according to Regulation (EC) No 1907/2006

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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
7631-95-0	Sodium molybdate						
	Acute fish toxicity	LC50 mg/l	7600		Oncorhynchus mykiss (rainbow trout)		
	Acute crustacea toxicity	EC50	330 mg/l		Daphnia magna (Water flea)		

### 12.2. Persistence and degradability

No data is available on the product itself.

#### 12.3. Bioaccumulative potential

No data is available on the product itself.

#### 12.4. Mobility in soil

no data available

### 12.5. Results of PBT and vPvB assessment

no data available

### 12.6. Other adverse effects

no data available

## **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

# **Disposal recommendations**

In accordance with local and national regulations.

# 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

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

# Contaminated packaging

Dispose of as unused product.

The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

## **SECTION 14: Transport information**

# Land transport (ADR/RID)

# Other applicable information (land transport)

Not subject to transport regulations.

# Inland waterways transport (ADN)

# Other applicable information (inland waterways transport)

Not tested

#### Marine transport (IMDG)





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### Other applicable information (marine transport)

Not subject to transport regulations.

#### Air transport (ICAO-TI/IATA-DGR)

# Other applicable information (air transport)

Not subject to transport regulations.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

no data available

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

# **SECTION 15: Regulatory information**

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

### **National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### **SECTION 16: Other information**

# Changes

Revision: 06.07.2021

Safety datasheet sections which have been updated: 2, 7, 8

Revision: 29.052.2019

Safety datasheet sections which have been updated: 2, 10, 11, 15

Revision: 14.08.2017

Safety datasheet sections which have been updated: 2, 9, 11

Revision: 15.04.2015

Safety datasheet sections which have been updated: 2

Revision: 07.07.2014

Safety datasheet sections which have been updated: 4-16

# Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

	<u> </u>
Classification	Classification procedure
Skin Irrit. 2; H315	On basis of test data
Eye Dam. 1; H318	Calculation method

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

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