

## SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.	Version	1.1 / US
	Revision date	12/16/2014
	Print Date	12/16/2014
	Page	1 / 10

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Chemical Name : Potassium Hydro-Pam  
Crosslinked CAS-No. : 31212-13-2

#### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Industrial Use  
Non-recommended use(s) : None known.

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

Company : Water-sorb  
227 S Church Ave  
Fayetteville, AR  
USA  
Telephone : (479)871-1749  
Telefax : (630) 604-1966  
E-mail : [ask@watersorb.com](mailto:ask@watersorb.com)

#### 1.4. Emergency telephone number

Emergency information : Non-Emergency Phone Number : (888) 369-8704

24 HOUR EMERGENCY TELEPHONE NUMBERS:  
CHEMTREC - US & CANADA toll free: +1-800-424-9300  
CHEMTREC - MEXICO toll free: 01-800-681-9531  
CHEMTREC GLOBAL - Collect calls accepted: +1-703-527-3887

### 2. Hazards identification

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

Not a hazardous substance or mixture.

#### 2.2. Label elements

Not a hazardous substance or mixture.

Other hazards

None known

# SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.	Version	1.1 / US
	Revision date	12/16/2014
	Print Date	12/16/2014
	Page	2 / 10

## 3. Composition/information on ingredients

### 3.1. Substances

#### Classification according to Regulation 29CFR 1910.1200

Chemical Name	NJ Trade secrets CAS-No.	Concentration	Classification
2-Propenoic acid, homopolymer, sodium salt	- 9003-04-7	> 99 %	

Texts of H phrases, see in Chapter 16

### 3.2. Mixtures

-

## 4. First aid measures

### 4.1. Description of first aid measures

General advice : Remove soiled or soaked clothing immediately

Inhalation : Ensure supply of fresh air.  
In the event of symptoms seek medical advice.

Skin contact : In case of contact with skin wash off with soap and water.  
In the event of symptoms seek medical advice.

Eye contact : In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist,  
seek medical advice.

Ingestion : Thoroughly clean the mouth with water  
In the event of symptoms seek medical advice.

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

Symptoms : No special hints.

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

Treat symptomatically.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media : Full water jet

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

In the event of fire the following can be released:  
- carbon dioxide, carbon monoxide

### 5.3. Advice for firefighters

Do not inhale explosion and/or combustion gases  
Use self-contained breathing apparatus

# SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.	Version	1.1 / US
	Revision date	12/16/2014
	Print Date	12/16/2014
	Page	3 / 10

## 6. Accidental release measures

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

Forms slippery surfaces with water.  
Use personal protective equipment.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways  
Do not discharge into the subsoil/soil.

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

Pick up mechanically  
Dispose of absorbed material in accordance with the regulations.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling : Ensure adequate ventilation.

Hygiene measures : Wash hands before breaks and after work.  
Do not eat, drink or smoke when working.  
Remove soiled or soaked clothing immediately.

General protective measures : Do not inhale dust/fumes/aerosols.  
Avoid contact with eyes and skin

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

#### Prevention of fire and explosion

Information : No special measures required.

#### Storage

Information : none

Further information on storage conditions : Keep container dry

## 8. Exposure controls/personal protection

### 8.1. Control parameters

Contains no substances with occupational exposure limit values (US)

### 8.2. Exposure controls

#### Engineering controls

#### Personal protective equipment

Eye protection : This product is not classified as a hazardous substance. Any necessity for eye protection must be determined within the scope of a risk assessment.

Hand protection : Glove material: protective gloves

Body Protection : protective clothing

Respiratory protection : in case of formation of vapours/dusts:  
Short term: filter apparatus, Filter P1

## SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.

Version

1.1 / US

Revision date

12/16/2014

Print Date

12/16/2014

Page

4 / 10

### 9. Physical and chemical properties

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

Physical state	: solid
Form	: granular
Colour	: white
Odour	: odourless
Odour Threshold	: no data available
pH	: approx. 6 1.0 g/l  Remarks: in 0.9% NaCl-Solution
Melting point	: not applicable
Boiling point	: not applicable
Flash point	: not applicable
Evaporation rate	: no data available
Flammability	: no data available
Upper Explosion/Ignition Limit	: not measured
Lower explosion limit	: not measured
Vapour pressure	: < 10 hPa (20 °C)
Relative vapour density	: no data available
Relative density	: no data available
Solubility	: not measured
Water solubility	: insoluble
Partition coefficient (n-octanol/water)	: no data available
Autoignition temperature	: not measured
Thermal decomposition	: not measured
Viscosity, kinematic	: not applicable
Viscosity, dynamic	: not applicable

# SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.	Version	1.1 / US
	Revision date	12/16/2014
	Print Date	12/16/2014
	Page	5 / 10

## 9.2. Other information

Density : approx. 0.7 g/cm<sup>3</sup>

Bulk density : approx. 720 kg/m<sup>3</sup>

Other information : none

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## 10. Stability and reactivity

### 10.1. Reactivity

see section "Possibility of hazardous reactions"

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Risk of dust explosions.

### 10.4. Conditions to avoid

> 200

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

None with proper storage and handling.

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## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : no data available

Acute toxicity (inhalation) : no data available

Acute toxicity (dermal) : no data available

Irritation/corrosion of the skin : Species: rabbit  
Result: non-irritant  
Method: OECD 404

Serious eye damage/ eye irritation : Species: rabbit  
Result: Mild eye irritation  
Method: OECD 405

Respiratory/skin sensitization : Species: Guinea pig  
Result: non-sensitizing  
Method: OECD 406

Repeated dose toxicity : no data available

Genotoxicity in vitro : Result: not mutagenic  
Method: mouse lymphoma test  
Remarks: not mutagenic in *in vivo* and *in vitro* tests

# SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.	Version	1.1 / US
	Revision date	12/16/2014
	Print Date	12/16/2014
	Page	6 / 10

## US. National Toxicology Program (NTP) Report on Carcinogens

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## US. IARC Monographs on Occupational Exposures to Chemical Agents

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## US. ACGIH Threshold Limit Values

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reprotoxicity / Fertility : not applicable

Reprotoxicity/Development/Teratogenicity : not applicable

Specific Target Organ Toxicity - Single exposure : no data available

Specific Target Organ Toxicity - Repeated exposure : no data available

Aspiration hazard : No aspiration toxicity classification

Other information : Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

## 12. Ecological information

### Ecotoxicology Assessment

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

### 12.1. Toxicity

Aquatic toxicity, fish : Species: *Leuciscus idus*  
Exposure duration: 96 h  
LC50: > 5,500 mg/l  
Method: OECD 203  
  
Species: *Danio rerio*  
Exposure duration: 96 h  
LC50: > 4,000 mg/l  
Method: OECD 203

Aquatic toxicity, invertebrates : no data available

Aquatic toxicity, algae/aquatic plants : no data available

## SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.

Version

1.1 / US

Revision date

12/16/2014

Print Date

12/16/2014

Page

7 / 10

Toxicity in microorganisms : Species: Pseudomonas putida  
Exposure duration: 24 h  
EC50: > 6,000 mg/l

chronic toxicity in fish : no data available

Chronic toxicity in aquatic Invertebrates : no data available

Toxicity in organisms which live in the soil : no data available

### 12.2. Persistence and degradability

Photodegradation : no data available

Biological degradability : no data available

### 12.3. Bioaccumulative potential

Bioaccumulation : no data available

### 12.4. Mobility in soil

Environmental distribution : no data available

### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment : no data available

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## 13. Disposal considerations

### 13.1. Waste treatment methods

Product : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

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## 14. Transport information

**Not dangerous according to transport regulations.**

14.1 UN number: --

14.2 UN proper shipping name: --

14.3 Transport hazard class(es): --

## SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.	Version	1.1 / US
	Revision date	12/16/2014
	Print Date	12/16/2014
	Page	8 / 10

- 14.4 Packing group: --  
14.5 Environmental hazards: --  
14.6 Special precautions for user: No

### 15. Regulatory information

#### Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the (M)SDS contains all information required by the Controlled Products Regulation

Canada : WHMIS CLASSIFICATION  
Not Rated  
This product does not contain component(s) on the WHMIS Ingredient Disclosure List.

#### US regulations:

SARA Title III Section 311/312 Hazard Categories : No SARA Hazards

Other regulations : none

State Right to Know : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

ZUSPA\_RTK: No components subject to "Right-To-Know" legislation in the following States:

ZUSMA\_RTK: No components subject to "Right-To-Know" legislation in the following States:

ZUSNJ\_RTK: No components subject to "Right-To-Know" legislation in the following States:

#### **US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

HMIS Ratings	Health:	1
	Flammability:	0
	Reactivity:	0
	Personal Protection:	X

#### **Notification status**

TSCA (USA) : listed/registered or exempted  
DSL (CDN) : listed/registered or exempted



## SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.

Version

**1.1 / US**

Revision date

**12/16/2014**

Print Date

**12/16/2014**

Page

**9 / 10**

### 16. Other information

#### List of references

Other information : Comply with national laws regulating employee instruction.  
Revision date : 12/16/2014

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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## SAFETY DATA SHEET (SDS-US)

Watersorb

VA-No.

Version	<b>1.1 / US</b>
Revision date	<b>12/16/2014</b>
Print Date	<b>12/16/2014</b>
Page	<b>10 / 10</b>

### Legend

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADNR</b>	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration factor
<b>BetrSichV</b>	German Ordinance on Industrial Safety and Health
<b>c.c.</b>	closed cup
<b>CAS</b>	Chemical Abstract Services
<b>CESIO</b>	European Committee of Organic Surfactants and their Intermediates
<b>ChemG</b>	German Chemicals Act
<b>CMR</b>	carcinogenic-mutagenic-toxic for reproduction
<b>DIN</b>	German Institute for Standardization
<b>DMEL</b>	Derived minimum effect level
<b>DNEL</b>	Derived no effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>EC50</b>	half maximal effective concentration
<b>GefStoffV</b>	German Ordinance on Hazardous Substances
<b>GGVSEB</b>	German ordinance for road, rail and inland waterway transportation of dangerous goods
<b>GGVSee</b>	German ordinance for sea transportation of dangerous goods
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest observed adverse effect level
<b>LOEL</b>	Lowest observed effect level
<b>NOAEL</b>	No observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, bioaccumulative, toxic
<b>PEC</b>	Predicted effect concentration
<b>PNEC</b>	Predicted no effect concentration
<b>REACH</b>	REACH registration
<b>RID</b>	Convention concerning International Carriage by Rail
<b>STOT</b>	Specific Target Organ Toxicity
<b>SVHC</b>	Substances of Very High Concern
<b>TA</b>	Technical Instructions
<b>TPR</b>	Third Party Representative (Art. 4)
<b>TRGS</b>	Technical Rules for Hazardous Substances
<b>VCI</b>	German chemical industry association
<b>vPvB</b>	very persistent, very bioaccumulative
<b>VOC</b>	volatile organic compounds
<b>VwVwS</b>	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
<b>WGK</b>	Water Hazard Class
<b>WHO</b>	World Health Organization