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

1.1. **Product identifier**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Potassium Hydro-Pam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crosslinked CAS-No.</td>
<td>31212-13-2</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Recommended use</th>
<th>Industrial Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-recommended use(s)</td>
<td>None known.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Company</th>
<th>Water-sorb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>227 S Church Ave</td>
</tr>
<tr>
<td></td>
<td>Fayetteville, AR</td>
</tr>
<tr>
<td></td>
<td>USA</td>
</tr>
<tr>
<td>Telephone</td>
<td>(479)871-1749</td>
</tr>
<tr>
<td>Telefax</td>
<td>(630) 604-1966</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:ask@watersorb.com">ask@watersorb.com</a></td>
</tr>
</tbody>
</table>

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

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3. Composition/information on ingredients

3.1. Substances

Classification according to Regulation 29CFR 1910.1200

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>NJ Trade secrets</th>
<th>Concentration</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propenoic acid, homopolymer, sodium</td>
<td>-</td>
<td>&gt; 99 %</td>
<td></td>
</tr>
<tr>
<td>salt</td>
<td>9003-04-7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
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
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

Remarks: in 0.9% NaCl-Solution

1.0 g/l

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
9.2. Other information
Density: approx. 0.7 g/cm³
Bulk density: approx. 720 kg/m³
Other information: none

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.

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 invivo: Result: not mutagenic
Method: mouse lymphoma test
Remarks: not mutagenic in in vivo and in vitro tests
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
Reprotoxicity/Development/Teratogenicity: not applicable

Specific Target Organ Toxicity: no data available
Single exposure
Repeated exposure

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
Aquatoxicity, 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

Aquatoxicity, invertebrates: no data available

Aquatoxicity, algae/aquatic plants: no data available
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

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.

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): --
### 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**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td><strong>X</strong></td>
</tr>
</tbody>
</table>

**Notification status**

<table>
<thead>
<tr>
<th>Notification</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA (USA)</td>
<td>listed/registered or exempted</td>
</tr>
<tr>
<td>DSL (CDN)</td>
<td>listed/registered or exempted</td>
</tr>
</tbody>
</table>
16. Other information

List of references:

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

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SAFETY DATA SHEET (SDS-US)

Watersorb

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<td></td>
<td>Page</td>
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</tr>
</tbody>
</table>

Legend

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