

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

- **1.1. Product identifier**

Chemical Name : Sodium Polyacrylate, Crosslinked
CAS-No. : 9003-04-7

- Trade Name: Powder Polymer

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

Recommended use : Industrial Use
Non-recommended uses : None known.

- **1.3. Details of the supplier**

Company: WATER-SORB, INC.

Telephone: 479-871-1749

E-mail: watersorbar@gmail.com

- **1.4 Emergency telephone number**

Non-Emergency Phone Number : (479) 871-1749

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

3. Composition/information on ingredients

- **3.1. Substances**

Classification according to Regulation 29CFR 1910.1200

ChemicalName	NJ Trade secrets CAS-No.	Concentration	Classification
<ul style="list-style-type: none">• 2-Propenoic acid, homopolymer, sodium salt	9003-04-7	> 99 %	

Texts of H phrases, see in Chapter 16

- **3.2. Mixtures**

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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 advise

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
Color:	white
Odor:	odorless
Odor 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 measure
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. 720kg/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: OECD404
Serious eye damage/ eye irritation :	Species: rabbit Result: Mild eye irritation Method: OECD405
Respiratory/skin sensitization :	Species: Guinea pig Result: non-sensitizing Method: OECD406
Repeated dose toxicity :	no data available
Genotoxicity invitro :	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	: 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

Aquatoxicity, fish : Species: Leuciscus idus

Exposure duration: 96 h

LC50: > 5,500mg/l

Method: OECD203

Species: Danio rerio

Exposure duration: 96 h

LC50: > 4,000mg/l

Method: OECD203

Aquatoxicity, invertebrates : no data available

Aquatoxicity, algae/ aquatic plants : no data available

Toxicity in microorganisms : Species: Pseudomonas putida

Exposure duration: 24 h

EC50: > 6,000mg/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 : no data available
distribution

- **12.5. Results of PBT and vPvB assessment**

PBT and vPvB : no data available
assessment

- **12.6. Other adverse effects**

General Information :

The product is considered to be a weak water pollutant (German law)

Do not allow to enter soil, waterways or waste water canal.

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

16. Other information

List of references:

Other information: Comply with national laws regulating employee instruction.

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Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN Waterways	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADNR (ADN)	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	Bio concentration 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
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	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	Organization for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bio accumulative, 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 Substance
VCI	German chemical industry association
vPvB	very persistent, very bio accumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into
WGK	Water Hazard Classes
WHO	World Health Organization