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

1.1. Product identifier

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

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: Vital Care Industries, Inc.

7650 W 185th St

Ste C
Tinley Park, IL 60477
USA

Telephone	: (708) 342-2680
Fax	: (708) 342-2681
E-mail	: lorenjohnson@vitalcareindustries.com

1.4. Emergency telephone number

Emergency information	: Non-Emergency Phone Number: (708) 342-2680

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

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

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	: W ash 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

7.3. 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 vapors/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 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
Vapor pressure	: < 10 hPa (20 °C)
Relative vapor density	: no data available
Relative density	: no data available
Solubility	: not measured
Water solubility	: insoluble
Partition coefficient (n-octanol/water)	: no data available
Auto-ignition 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 in vitro	: 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 ourknowledge.

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

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 wastewater 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

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 : W HMIS CLASSIFICATION
Not Rated
This product does not contain component(s) on the W HMIS 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.
Revision date	: 12/16/2014

Changes since the last version are highlighted in the margin. This version replaces all previous versions.
This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes.

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
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, 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