

SAFETY DATA SHEET (SDS-US)

Mr. Genesis

Microbial Restoration Services, LLC
PO Box 9131
Gurnee, IL 60031 USA
847-849-0163

Version **1.1 / US**
Revision date **12/16/2014**
Print Date **11/13/17**
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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

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 : Microbial Restoration Services, LLC
PO Box 9131
Gurnee, IL 60031 USA
Telephone : (847) 849-0163
E-mail : microbeservices@gmail.com

1.4. Emergency telephone number

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

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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

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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

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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 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

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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

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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: > 5,500 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

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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): --

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**16. Other information****List of references**

Other information : Comply with national laws regulating employee instruction.
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Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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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	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