



GENESIS FLUIDS LLC

Safety Data Sheet Genesis Poly Tech™

SECTION 1: Identification

1.1 GHS Product identifier

Product name Genesis Poly Tech™

1.2 Other means of identification

Polysaccharide

1.3 Recommended use of the chemical and restrictions on use

Filtration control additive for fresh water and brine drilling and completion fluids.

1.4 Supplier's details

Name Genesis Fluids LLC
Address 9701 N. Broadway Ext.
Oklahoma City OK 73114
USA

Telephone (405) 840-0434
Email hdearing@genesisfluids.com

1.5 Emergency phone number

CHEMTREC
1-800-424-9300 / +1 703-527-3887 outside US

SECTION 2: Hazard identification

General hazard statement

Emergency overview: None
Immediate concerns: None

Potential health effects

Eyes: Not classified
Skin: Not classified
Ingestion: Not classified
Inhalation: Not classified

Acute health hazards: None
Chronic health hazards: None

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2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Slip hazard: If material becomes wet it could become a slip hazard

Medical conditions generally aggravated by exposure: None

SECTION 3: Composition/information on ingredients

3.1 Substances

Other names / synonyms

Non classified proprietary modified polysaccharide
Contains no reportable hazardous components

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice

Notes to physicians or first aid providers:

Treat symptomatically. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves.

If inhaled

Move exposed person to fresh air and call 911. Give artificial respiration if not breathing and administer oxygen if breathing is difficult.

In case of skin contact

Rinse contact area with cold water. Remove contaminated clothing and wash with soap and water. If irritation develops seek medical attention.

In case of eye contact

Immediately flush with cold water, holding eye-lids open. Flush for 15 minutes if possible. Remove contact lenses if present.

If swallowed

Do not induce vomiting. Have exposed individual rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult physician if symptoms persist.

Personal protective equipment for first-aid responders

First aid responders are advised to wear protective equipment (see section 8).

4.2 Most important symptoms/effects, acute and delayed

None identified.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

None known.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use alcohol foam, CO₂, water fog, or dry chemicals when fighting fires involving this material. Do not use a direct stream if dust is formed. Dust dispersed by a direct stream in the presence of an ignition source could ignite.

5.2 Specific hazards arising from the chemical

Dust-air mixtures may be explosive. Avoid open flames, sparks, etc.

Hazardous decomposition products: Carbon oxides (CO_x).

5.3 Special protective actions for fire-fighters

See section 8 for exposure control/personal protection information.

Further information

Special fire fighting procedures:

Move containers from fire area if you do it without risk. Dike fire-control water for later disposal; do not scatter the material. Wet material will create a slippery surface.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

In case of dust generation, wear goggles and ensure adequate ventilation and/or use breathing apparatus. Dust in high concentrations may form an explosive mixture with air. Review sections 5 and 7 with personnel before starting cleanup operations.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, solid, or air). Avoid allowing water runoff to contact spilled material. If sweeping of contaminated area is necessary, use a dust suppressant agent that does not react with the product. Contaminated surfaces will be extremely slippery.

6.3 Methods and materials for containment and cleaning up

Wet material is slippery! Avoid generating and spreading of dust. Shovel into dry containers. Cover and move the containers. Wash away with water or vacuum with a high efficiency filter to recover and reuse the material. If product is contaminated, collect in suitable containers for disposal. Do not contaminate drainage or waterways. Repackage or recycle if possible.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid dust generation. Ensure adequate ventilation or dust masks are available. Gloves should be worn.

7.2 Conditions for safe storage, including any incompatibilities

Store in dry conditions, do not let product get wet. Wet material could produce a slip hazard. Store in original packaging, or appropriate alternative. If repackaged, label new packaging. Store at ambient temperature and pressure.

Other precautions: Keep away from ignition sources.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Provide readily accessible eye wash stations and emergency showers. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Employees should be provided with and required to use safety goggles where there is any possibility of product coming in contact with eyes. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of contact lenses. Ensure that an eye wash station is operable and nearby.

Skin protection

Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. Remove contaminated clothing immediately, wash skin with soap and water, and launder clothing before reuse.

Body protection

Work Hygienic Practices:

Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove contaminated clothing and launder before reuse. Shower after work using plenty of soap and water.

Respiratory protection

Depending on airborne concentration, wear an OSHA approved N95 half-face dust respirator.

Ensure area of use is well ventilated.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Physical state	Solid
Appearance	White to off white solid
Color	White to off white
Odor	Odorless or no characteristic odor
Odor threshold	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	8 - 11 (2 wt% solution)
Kinematic viscosity	No data available
Solubility	100%
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure	No data available
Evaporation rate	No data available
Density and/or relative density	1.5 typical
Relative vapor density	No data available

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Particle characteristics

Free flowing powder

Supplemental information regarding physical hazard classes

No additional data available

Further safety characteristics (supplemental)

None specified

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactive with strong oxidizing agents.

10.2 Chemical stability

Stable. Polymerization does not occur.

10.3 Possibility of hazardous reactions

Hazardous reactions are unlikely.

10.4 Conditions to avoid

Ignition sources may cause exothermic reaction. Wet material can be a slip hazard.

10.5 Incompatible materials

Avoid oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides (COx)

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

NTP: Not listed

IARC: Not listed

OSHA: Not listed

Reproductive toxicity

No data available

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STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12: Ecological information

Toxicity

No data available

Persistence and degradability

Material breaks down naturally

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

No data available

Endocrine disrupting properties

No data available

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that containers are empty by RCRA criteria prior to disposal in a permitted industrial landfill.

Packaging disposal

Empty containers may retain residues. All label precautions must be observed.

Waste treatment

This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

Sewage disposal

Never discharge directly into sewers or surface water.

Other disposal recommendations

Dispose of material in accordance with national, state, regional, and local regulations. Never discharge directly into sewers or surface water. Consult with environmental regulatory agencies for guidance on acceptable disposal practices for the product, in any form, and its containers/packaging.

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SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 311/312 Hazards

None of the components are listed.

SARA 313 Components

None of the components are listed.

Toxic Substances Control Act (TSCA) Inventory

None of the components are listed.

California Prop. 65 Components

This product does not contain any chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)**CERCLA Regulatory**

None of the components are listed.

15.2 Chemical Safety Assessment

NFPA

Health Hazard: 0

Fire Hazard: 0

Reactivity Hazard: 1

HMIS

Health Hazard: 0

Flammability: 0

Physical Hazard: 0

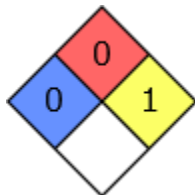
HMIS Rating

Genesis Poly Tech™	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

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NFPA Rating



SECTION 16: Other information

Revision Summary: This SDS is the original version - 2022-09-29.

16.1 Further information/disclaimer

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness.

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