



Safety Data Sheet Spetec Gel Reinforcing Agent

SECTION 1: Identification

Product identifier

Product name Spetec Gel Reinforcing Agent

Recommended use of the chemical and restrictions on use

Soil Stabilization and leak seal in below grade structures when used in conjunction with AG series of products. Gel adhesion modifying agent with Alchemy-Spetec's water activated and hydrophilic urethane gel systems.

Supplier's details

Name Alchemy-Spetec
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Tucker GA 30084

Telephone (404) 618-0438

Emergency phone number(s)

Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887

SECTION 2: Hazard identification

Classified according to Hazardous Products Regulations (HPR) (SOR/2015-17).

Classification

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered. If the product adheres to skin, irritation may occur when it dries.

SECTION 3: Composition/information on ingredients

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

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SECTION 4: First-aid measures

Description

General advice	Remove contaminated clothing.
If inhaled	Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.
In case of skin contact	Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
In case of eye contact	Flush with copious amounts of water for at least 15 minutes. If irritation develops, seek medical attention.
If swallowed	Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed

No significant symptoms are expected due to the non-classification of the product. No hazards anticipated.

Indication of any immediate medical attention and special treatment needed

Note to physician

Symptomatic treatment (decontamination, vital functions).

SECTION 5: Fire-fighting measures

Extinguishing media

Water spray, foam, dry powder

Special hazards arising from the substance or mixture

No particular hazards known.

Advice for fire-fighters

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

SECTION 6: Accidental release measures

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Further accidental release measures

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with skin and eyes.

Environmental precautions

Do not release untreated into natural waters.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Spills should be contained, solidified, and placed in suitable containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. No special measures necessary provided product is used correctly. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Store protected against freezing. Protect from temperatures below 41 °F / 5 °C. The packed product is destroyed at low temperatures or by frost. Protect from temperatures above 140 °F / 60 °C. The packed product must be protected against exceeding the indicated temperature.

SECTION 8: Exposure controls/personal protection

No occupational exposure limits known.

Advice on system design

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection

Wear respiratory protection if ventilation is inadequate.

Hand protection

Chemical resistant protective gloves

Eye protection

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

General safety and hygiene measures

Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

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SECTION 9: Physical and chemical properties

Form	Liquid, dispersion
Odor	Faint odor
Odor threshold	No data available.
Color	White
pH	Approx. 8 - 9
Freezing point	Approx. 32 °F / 0 °C
Information on	Water
Melting point	32 °F / 0 °C
Boiling point	Approx. 212 °F / 100 °C
Flash point	148 °C (Unspecified)
Flammability	Not flammable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor pressure	Approx. 17.5 mmHg (68 °F / 20 °C)
Information on	Water
Vapor pressure	23.4 hPa (68 °F / 20 °C)
Density	Approx. 0.99 g/cm ³ (68 °F / 20 °C)
Relative density	No data available.
Partitioning coefficient noctanol/water (log Pow)	Not applicable
Self-ignition temperature	Not self-igniting
Thermal decomposition	No decomposition if used correctly.
Viscosity, dynamic	Approx. 100 - 350 mPa.s
Solubility in water	(59 °F / 15 °C) partly soluble
Miscibility with water	Miscible
Evaporation rate	No data available.
Range of particle size	< 0,1 µm - 10 µm

SECTION 10: Stability and reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals

Corrosive effects to metal are not anticipated.

Oxidizing properties

Not fire-propagating.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

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No hazardous reactions when stored and handled according to instructions. After long storage, slight quantities of carbon monoxide may be formed.

The product is chemically stable.

Conditions to avoid

Avoid extreme heat.

Incompatible materials

Metal salts

Decomposition products

Hazardous decomposition products: carbon dioxide, carbon monoxide, hydrocarbons

Thermal decomposition

No decomposition if used correctly

SECTION 11: Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute toxicity/effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Oral

Type of value: LD50

Species: rat

Value: > 2,000 - 10,000 mg/kg

Inhalation

Type of value: ATE

Value: > 5 mg/l

Exposure time: 4 h

Determined for mist

Dermal

Type of value: ATE

Value: > 5,000 mg/kg

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Assessment other acute effects

Assessment of STOT single

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin. May cause mechanical irritation. If the product adheres to skin, irritation may occur when it dries. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration hazard

Not applicable

Chronic toxicity/effects

Repeated dose toxicity

Assessment of repeated dose toxicity: No adverse effects were observed after repeated exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity: Not expected to cause reproductive toxicity (based on composition).

Teratogenicity

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Assessment of teratogenicity: The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

Experiences in humans

According to experience, the product is considered to be harmless to health if used in the correct manner.

Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar composition.

Symptoms of exposure

No significant symptoms are expected due to the non-classification of the product.

SECTION 12: Ecological information

Toxicity

Toxicity to fish

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Aquatic plants

EC50 (72 h) > 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201)
Nominal concentration.

Microorganisms/effect on activated sludge

Toxicity to microorganisms

DIN EN ISO 8192-OECD 209-88/302/EEC,P. C activated sludge, domestic/EC20 (0.5 h): > 100 mg/l

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The polymer component of the product is poorly biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

Elimination information:

Not readily biodegradable.

Bioaccumulative potential

Bioaccumulation potential:

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Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments
No data available.

Additional information

Adsorbable organically-bound halogen (AOX):
No data available.

Other ecotoxicological advice

Do not release untreated into natural waters. At the present state of knowledge, no negative ecological effects are expected.

Ecological data are determined by analogy.

SECTION 13: Disposal Considerations

Waste disposal of substance

Must be sent to a suitable incineration plant, observing local regulations.
Incinerate or dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater.

Container disposal

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14: Transport information

Land transport

TDG
Not classified as a dangerous good under transport regulations

Sea transport

IMDG
Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO
Not classified as a dangerous good under transport regulations

SECTION 15: Regulatory information

Federal regulations

Registration status

Chemical DSL, CA released / listed

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NFPA Hazard codes

Health: 1 Fire: 0

Reactivity: 0

Special:

SECTION 16: Other information

Further information/disclaimer

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