



**GENESIS FLUIDS LLC**

## **Safety Data Sheet Genesis GenShield™**

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### **SECTION 1: Identification**

#### **1.1 Product identifier**

Product name Genesis GenShield™

#### **1.2 Other means of identification**

None

#### **1.3 Recommended use of the chemical and restrictions on use**

Corrosion inhibitor for 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(s)**

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

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### **SECTION 2: Hazard identification**

#### **General hazard statement**

Precautionary Statements

Prevention

Wash skin after handling

Wear protective gloves/protective clothing/eye protection/face protection.

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### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention

### Storage

None

## 2.1 Classification of the substance or mixture

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

- Eye damage/irritation, Cat. 2A

## 2.2 GHS label elements, including precautionary statements

### Pictogram



### Signal word

**Warning**

### Hazard statement(s)

H319

Causes serious eye irritation

### Precautionary statement(s)

P264

Wash ... thoroughly after handling.

P280

Wear eye protection/face protection.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards which do not result in classification

Not applicable

### Statement regarding ingredients of unknown toxicity

None

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivatives residue

Concentration

20 - 40 % (weight)

CAS no.

68909-77-3

#### Trade secret statement (OSHA 1910.1200(i))

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Exact percentage (concentration) of composition has been withheld as a trade secret.

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### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

General advice  
protective equipment when mixing.

Avoid contact with skin and clothing. Utilize proper

If inhaled  
attention if symptoms occur.

Remove to fresh air immediately. Get prompt medical

In case of skin contact  
Wash affected area with large amounts of water. Seek medical attention if skin irritation is experienced.

Remove contaminated clothing and shoes immediately.

In case of eye contact  
eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.

Rinse immediately with plenty of water, also under the

If swallowed  
attention if symptoms occur.

Do NOT induce vomiting. Rinse mouth. Get medical

#### 4.2 Most important symptoms/effects, acute and delayed

Eye or skin irritation.

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

Red or irritated eyes or skin that persists.

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### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Use extinguishing measure that are appropriate to local circumstances and the surrounding environment.

#### 5.2 Specific hazards arising from the chemical

None

#### 5.3 Special protective actions for fire-fighters

Avoid breathing fumes and combustion products.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective gear for the situation. See personal protective information in Section 8. Keep unnecessary people away. Isolate hazard area and deny entry.

#### 6.2 Environmental precautions

Do not allow contact with soil, surface or ground water.

#### 6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

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For small spills, utilize absorbent material and dispose of properly. For larger spills, dike far ahead for later disposal.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Keep container closed when not in use. Empty containers may contain residual product. Do not reuse container unless properly reconditioned.

Incompatible with strong acids, oxidizers, and nitrites.

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### SECTION 8: Exposure controls/personal protection

#### 8.2 Appropriate engineering controls

Showers  
Eyewash stations  
Ventilation systems

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

##### Eye/face protection

Tightly fitting safety goggles. If splashes are likely to occur, wear face shield

##### Skin protection

Wear suitable protective clothing

##### Respiratory protection

Not normally required. Respiratory protection must be provided in accordance with current local regulations

##### Thermal hazards

Not applicable

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### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Dark brown liquid
Odor	Ammonia
Odor threshold	No information available
pH	8-12
Melting point/freezing point	No data available
Initial boiling point and boiling range	>212° F
Flash point	>200°F
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability limits	No data available

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Vapor pressure	< 1mmHg @ 68° F
Vapor density	No data available
Relative density	1.0 - 1.1 @ 77° F
Solubility(ies)	Water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Heat

### 10.5 Incompatible materials

Strong acids, oxidizers, and nitrites.

### 10.6 Hazardous decomposition products

In the event of combustion irritating gases/vapors/fumes. Ammonia or amines. Aldehydes. Ketones  
Oxides of carbon. Oxides of nitrogen.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Oral LD50: 8750 mg/kg (rate)

Dermal LD50: 3850 mg/kg (rabbit)

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

No information available.

#### Germ cell mutagenicity

No information available.

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### **Carcinogenicity**

Contains no ingredients above reportable quantities listed as a carcinogen.

### **Reproductive toxicity**

No data available.

### **STOT-single exposure**

No data available.

### **STOT-repeated exposure**

No data available

### **Aspiration hazard**

No data available

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## **SECTION 12: Ecological information**

### **Toxicity**

No data available

### **Persistence and degradability**

Not readily biodegradeable.

### **Bioaccumulative potential**

Low bioaccumulation potential

### **Mobility in soil**

No information available.

### **Results of PBT and vPvB assessment**

No information available.

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## **SECTION 13: Disposal considerations**

### **Disposal of the product**

Consult the appropriate state, regional, or local regulations for additional requirements.

### **Disposal of contaminated packaging**

Do not re-use empty containers

### **Waste treatment**

Consult the appropriate state, regional, or local regulations.

### **Sewage disposal**

Do not dispose with or into sewage and waste water facilities.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not regulated.

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### IMDG

Not regulated.

### IATA

Not regulated.

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## SECTION 15: Regulatory information

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

#### Toxic Substances Control Act (TSCA) Inventory

Complies

#### Canadian Domestic Substances List (DSL)

Complies

#### SARA 313 Components

This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals

#### SARA 311/312 Hazards

Acute Health Hazard - Yes

Chronic Health Hazard - No

Fire Hazard - Yes

Sudden Release of Pressure Hazard - No

Reactive Hazard - No

#### CERCLA

Contains no regulated substances

#### HMIS Rating

Genesis GenShield™	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

#### NFPA Rating



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## SECTION 16: Other information

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