

**Section: 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : PolyGuard HF  
Other means of identification : None  
Recommended use : Drilling Fluid Additive  
Restrictions on use : None known  
Company : Drillchem Drilling Solutions, LLC  
P.O. Box 132107  
Spring, TX 77393  
  
Emergency telephone : (800) 424-9300 (24 Hours) CHEMTREC  
number  
Issuing date : 06/10/2019

**Section: 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Flammable liquids : Not classified  
Skin irritation : Not classified  
Eye irritation : Category 2A  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
Specific target organ toxicity : Not classified  
- single exposure  
Aspiration hazard : Not classified

**GHS Label element**

Hazard pictograms :



Signal Word :

Warning

Hazard Statements :

Causes serious eye irritation.

Precautionary Statements :

**Prevention:** Wash thoroughly after handling. Wear eye protection/face protection.

**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:** Store away from incompatible materials.

**Disposal:** Dispose of waste and residues in accordance with local authority requirements.

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Other hazards : None

### Section : 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Vegetable Oil		68956-68-3	55 – 65

Other components below reportable levels

\*Sesignates that a specific chemical identity and/or percentage has been withheld as a trade secret.

### Section: 4. FIRST AID MEASURES

- In case of eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- In case of skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- Protection of first-aiders : Move to fresh air. Call a physician if symptoms develop or persist.
- Notes to physician : Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
- Most important symptoms and effects, both acute and delayed : Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

### Section: 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol resistant foam. Powder. Carbon dioxide (CO2).
- Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.
- Specific hazards during firefighting : During fire, gases hazardous to health may be formed.
- Hazardous combustion products : No unusual fire or explosion hazards noted.
- Special protective equipment for firefighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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Specific extinguishing methods : Use standard firefighting procedures and consider the hazards of other involved materials.

### Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental precautions : Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up : Use water spray to reduce vapors or divert vapor cloud drift.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### Section: 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage : Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Suitable material : No data available

Unsuitable material : No data available

### Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Vegetable Oil (CAS 68956-68-3)	TWA	10 mg/m <sup>3</sup>	Inhalable particles
	TWA	3 mg/m <sup>3</sup>	Respirable particles

#### Components with workplace control parameters

Occupational exposure limits : No exposure limits noted for ingredient(s).

Biological limit values : No biological exposure limits noted for the ingredient(s).

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Engineering measures : Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

#### Personal protective equipment

Eye protection : Wear safety glasses with side shields (or goggles).  
Safety goggles  
Face-shield

Hand protection : Wear appropriate chemical resistant gloves.

Skin protection : Wear suitable protective clothing.  
Wear appropriate thermal protective clothing, when necessary.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

#### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Thick liquid

Colour : Tan

Odor : None

Flash point : > 210.0 °F (> 98.9 °C) estimated

pH : no data available

Odour Threshold : no data available

Melting point/freezing point : no data available

Initial boiling point and boiling range : no data available

Evaporation rate : no data available

Flammability (solid, gas) : no data available

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available

Relative vapour density : no data available

Relative density : no data available

Density : no data available

Water solubility : no data available

Solubility in other solvents : no data available

Partition coefficient: n-octanol/water : no data available

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Auto-ignition temperature : no data available  
Thermal decomposition temperature : no data available  
Viscosity, dynamic : no data available  
Viscosity, kinematic : no data available  
Molecular weight : no data available  
Specific gravity : no data available

#### Section: 10. STABILITY AND REACTIVITY

Chemical stability : The product is stable and non-reactive under normal conditions of use, storage and transport.  
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.  
Conditions to avoid : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.  
Incompatible materials : Strong oxidizing agents.  
Hazardous decomposition products : No hazardous decomposition products are known

#### Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

##### Potential Health Effects

Eyes : Causes serious eye irritation.  
Skin : No adverse effects due to skin contact are expected.  
Ingestion : Expected to be a low ingestion hazard.  
Inhalation : Prolonged inhalation may be harmful.

##### Toxicity

##### Product

Acute oral toxicity : No data available  
Skin corrosion/irritation : Prolonged skin contact may cause temporary irritation.  
Serious eye damage/eye : Causes serious eye irritation.

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irritation

Respiratory or skin sensitization : Not a respiratory sensitizer. This product is not expected to cause skin sensitization.

Carcinogenicity

IARC : Not listed.

OSHA : Not regulated.

NTP : Not listed.

Reproductive effects : This product is not expected to cause reproductive or developmental effects.

Germ cell mutagenicity : Not classified No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Teratogenicity : Not classified

STOT - single exposure : Not classified

STOT - repeated exposure : Not classified

Aspiration toxicity : Not an aspiration hazard.

Chronic effects : Prolonged inhalation may be harmful.

### Section: 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Environmental Effects : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Toxicity:** Contains no substances known to be hazardous to the environment.

**Persistence and Degradability:** Readily degradable

**Bioaccumulative potential:** Not applicable

**Mobility:** Not determined

**PBT and vPVB assessment:** No data available.

**Other adverse effects:** No data available.

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### Section: 13. DISPOSAL CONSIDERATIONS

- Disposal methods : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
- Contaminated packaging : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (DOT):

Not regulated as dangerous goods.

#### Air transport (IATA)

Not regulated as dangerous goods

#### Sea transport (IMDG/IMO)

Not regulated as dangerous goods

### Section: 15. REGULATORY INFORMATION

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA list** : Not listed.

**EPCRA - Emergency Planning and Community Right-to-Know Act:** Not listed.

**CERCLA Reportable Quantity:** Not Listed.

**SARA 304 Extremely Hazardous Substances Reportable Quantity:** To the best of our knowledge, there are no chemical levels which require reporting under this statute.

**OSHA Specifically Regulated Substances (29 CFR 1910. 1001-1050):** Not regulated.

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D):**  
Not regulated.

**1986(SARA) Hazard categories** Immediate Hazard - No

**SARA 302 Extremely hazardous substance:** Not listed.

**SARA 311/312 Hazardous:** Listed.

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**SARA 313 (TRI reporting):** Listed.

<b>Chemical name</b>	<b>CAS Number</b>	<b>% by wt</b>
Vegetable Oil	112-34-5	55-65

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not listed.

**Safe Drinking Water Act:** Not regulated.

### US STATE REGULATION:

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100):**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Section: 16. OTHER INFORMATION

Revision Date : 06/10/2019  
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.