



# PolyRite SAFETY DATA SHEET

PolyRite Ref. /US/EN

Revision Date: 11/28/2016

Previous date: 08/03/2016

Print Date:02/08/2019

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product information

**Product name** PolyRite

**Recommended use of the chemical and restrictions on use** Use of the Substance/Mixture

Drilling applications

**Recommended restrictions on use**

-

### Supplier's details

DrilRite-Chem LLC  
702 Blackjack St  
Winnsboro, TX USA 75494  
Telephone+1-903-767-4230

### Emergency telephone number

CHEMTREC: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Eye irritation; Category 2; Causes serious eye irritation.;

### GHS-Labeling

**Hazard pictograms**





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<b>Signal word</b>	: Warning
<b>Hazard statements</b>	: <b>Hazard statements:</b> H319 Causes serious eye irritation.
<b>Precautionary statements</b>	: <b>Prevention:</b> P264 Wash hands thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. <b>Response:</b> 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.

### Other hazards which do not result in classification

**Advice;** Contaminated surfaces will be extremely slippery.

**Potential environmental effects;** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substances /Mixtures

Chemical nature

Anionic polyacrylamide in water-in-oil emulsion.



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## Hazardous components

Chemical Name	CAS-No.	Concentration[%]
distillates (petroleum), hydrotreated light	64742-47-8	22 - 26 %
Alcohols, C12-16, ethoxylated	68551-12-2	0 - 2.89 %
Alcohols, C12-14, ethoxylated	68439-50-9	0 - 2.89 %
Alcohols, C10-16, ethoxylated	68002-97-1	0 - 2.89 %

Components listed above that have a zero minimum and a common maximum range are interchangeably used components based on availability. Only one of these components is contained in the product up to the maximum amount noted.

## 4. FIRST AID MEASURES

### Description of first aid measures Inhalation

Move to fresh air. Consult a physician if necessary.

### Skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and water. If symptoms persist, call a physician. Wash contaminated clothing before re-use.

### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

### Ingestion

Rinse mouth with water. Do NOT induce vomiting. Obtain medical attention.

### Most important symptoms and effects, both acute and delayed

## 5. FIREFIGHTING MEASURES

### Suitable extinguishing media

Water spray, Carbon dioxide (CO<sub>2</sub>), Dry chemical

Alcohol-resistant foam

### Special hazards arising from the substance or mixture

No information available.



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### Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Use NIOSH/MSHA approved respiratory protection.

### Further information

In the event of fire, cool tanks with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Where the exposure level is not known, wear approved, positive pressure, self-contained respirator. Where the exposure level is known, wear approved respirator suitable for the level of exposure.

### Environmental precautions

Try to prevent the material from entering drains or water courses.

### Methods and materials for containment and cleaning up

Danger for slipping. Soak up with inert absorbent material. Take up mechanically and collect into suitable containers for disposal. Flush with water. Use detergent if needed.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Ensure adequate ventilation. For personal protection see SDS section 8.

### Conditions for safe storage, including any incompatibilities

Flashpoint determination was performed using a Pensky Martens type closed cup method. The method indicates a flash point greater than 93,3° C (200° F). Although there was no flashpoint detected below 93,3° C (200° F) some flammable vapours were evolved during the test as evidenced by the enlargement of the flame. Therefore caution should be exercised during storage and handling.

### Materials for packaging

Unsuitable material: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminium containers or equipment.

### Materials to avoid:

Strong oxidizing agents

Storage stability:



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Other data

Store at room temperature.  
Reason:  
integrity

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Form of exposure	Control parameters	Update	Basis
Distillates (petroleum), hydrotreated light	64742-47-8		Vapour	197 ppm 1,200 mg/m <sup>3</sup>		
		TWA		200 mg/m <sup>3</sup>	2006-11-29	CA BC OEL

### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Do not breathe vapour. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

### Individual protection measures, such as personal protective equipment Respiratory protection

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

### Hand protection

Impervious gloves

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

### Skin and body protection

Protective clothing.

### Eye protection

Tightly fitting safety goggles



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	liquid, viscous
Colour	white
Odour	hydrocarbon-like
pH	No data available
Initial boiling point and boiling range	
Flash point	> 200 °F (Pensky-Martens)
Explosive properties:	
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Density	8.38 lb/gal
Bulk density	1.006 kg/m <sup>3</sup>
Solubility(ies):	
Water solubility	soluble
Decomposition temperature	No data available
Surface tension	not determined

## 10. STABILITY AND REACTIVITY

### Reactivity Chemical stability Possibility of hazardous reactions

Hazardous reactions:                      Hazardous polymerisation does not occur.



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## Conditions to avoid

Conditions to avoid: Stable under normal conditions.

## Incompatible materials

Materials to avoid: Strong oxidizing agents

## Hazardous decomposition products

Hazardous decomposition products: Ammonia  
Carbon oxides  
Nitrogen oxides (NOx)

Thermal decomposition: Note: No data available

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Acute oral toxicity** Conclusion: The acute toxicological results displayed may not be the results of actual testing of this material but based on a similar tested material.

/>Remarks: estimated  
/Rat/5,000 mg/kg/LD50

**Acute oral toxicity** **Distillates (petroleum), hydrotreated light:**  
/>Rat/5,000 mg/kg/LD50

**Acute inhalation toxicity** LC50/Rat/4 h/>/20 mg/lRemarks: estimated

**Acute inhalation toxicity** **Distillates (petroleum), hydrotreated light:**  
LC50/Rat/4 h/>/5.2 mg/l

**Acute dermal toxicity** LD50/Rabbit/>  
/2,000 mg/kg  
Remarks: estimated

**Acute dermal toxicity** **Distillates (petroleum), hydrotreated light:**  
LD50/Rabbit/>  
/2,000 mg/kg



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<b>Skin corrosion/irritation</b>	/OECD Test Guideline 439/Read-across (Analogy)
<b>Serious eye damage/eye irritation</b>	Conclusion: No skin irritation /Calculation method Conclusion: Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	
<b>Skin sensitisation</b>	Conclusion: Not sensitizing.
<b>Skin sensitisation Germ cell mutagenicity</b>	<b>Distillates (petroleum), hydrotreated light:</b> Conclusion: This substance is not classified as a sensitizer.
<b>Genotoxicity in vitro</b>	<b>Distillates (petroleum), hydrotreated light:</b> Conclusion: No known effect.
<b>Genotoxicity in vivo</b>	<b>Distillates (petroleum), hydrotreated light:</b> Conclusion: not mutagenic
<b>Carcinogenicity</b>	
<b>Carcinogenicity</b>	<b>Distillates (petroleum), hydrotreated light:</b>
<b>Reproductive toxicity</b>	Not classified by IARC or NTP.
<b>Toxicity for reproduction</b>	<b>Distillates (petroleum), hydrotreated light:</b> Conclusion: Did not show teratogenic effects in animal experiments.



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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects Aquatic toxicity

Ecotoxicological information provided is based on a structurally or compositionally similar product. This material is not classified as dangerous for the environment.

LC50/96 h/Danio rerio (zebra fish)/Acute toxicity/OECD Test Guideline 203: > 100 mg/l

EC50/48 h/Daphnia magna (Water flea)/Immobilization/OECD Test Guideline 202: > 100 mg/l Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

IC50/72 h/Green algae (Selenastrum capricornutum)/Growth inhibition/OECD Test Guideline 201: > 100 mg/l

Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

#### Toxicity to other organisms

No data available

#### Persistence and degradability

Biological degradability:

CO2 Evolution Test/OECD Test Guideline 301B:

Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

The polymeric ingredient is not readily biodegradable. Transmission of polyelectrolytes through biological membranes is nonexistent due to large molecule size and its hydrophilic nature.

#### Bioaccumulative potential

Because of the high molecular weight of the polymer diffusion through biological membranes is very small. Bioaccumulation is unlikely. **Mobility in soil**

Water solubility: soluble

Surface tension: not determined

#### Other adverse effects

No data available

Additional ecological information: Ecotoxicological information provided is based on a structurally or compositionally similar product.



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### 13. DISPOSAL CONSIDERATIONS

<b>Product</b>	Recycling, recovery and reuse of materials is recommended if permitted by regulations.If recycling is not practicable, dispose of in compliance with local regulations.Incineration is recommended.
<b>Contaminated packaging</b>	EPA Hazardous Waste - NO. Packages that cannot be cleaned must be disposed of the same way as the unused product.

### 14. TRANSPORT INFORMATION

#### Land transport

Not classified as dangerous in the meaning of transport regulations.

Store between 5-30°C.

Protect from frost.

Keep away from direct sunlight.

#### Sea transport

Not classified as dangerous in the meaning of transport regulations.

Store between 5-30°C.

Protect from frost.

Keep away from direct sunlight.

#### Air transport

Not classified as dangerous in the meaning of transport regulations.

Store between 5-30°C.

Protect from frost.

Keep away from direct sunlight.

#### Special precautions for user

No data available



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## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture SARA Title III Section 311 Categories Immediate (Acute) Health Effects: Yes; Delayed (Chronic) Health Effects: No; Fire Hazard: No; Sudden Release Of Pressure Hazard: No; Reactivity Hazard: No;

### SARA 302 Extremely Hazardous Substances

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

None Present ()

### SARA 313 - Specific Toxic Chemical Listings

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

None Present ()

### California Proposition 65

Acrylamide (79-06-1) < 0.1 %

Remarks: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproduction harm.

**Other regulations** : None.

### Notification status

- : All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.
- : All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.
- : All components of this product are included in the United States TSCA Chemical Inventory or are not required to be listed on the United States TSCA Chemical Inventory.
- : All components of this product are included in the United States TSCA Chemical Inventory or are not required to be listed on the United States TSCA Chemical Inventory.
- : All components of this product are included in the Canada



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- Domestic Substance List (DSL) or are not required to be listed on the Canada Domestic Substance List (DSL).
  - : All components of this product are included in the Canada Domestic Substance List (DSL) or are not required to be listed on the Canada Domestic Substance List (DSL).
  - : All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on the Australian Inventory of Chemical Substances (AICS).
  - : All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on the Australian Inventory of Chemical Substances (AICS).
  - : All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.
  - : All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.
  - : All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.
  
  - : All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.
  - : All components of this product are included in the Korean (ECL) inventory or are not required to be listed on the Korean (ECL) inventory.
  - : All components of this product are included in the Korean (ECL) inventory or are not required to be listed on the Korean (ECL) inventory.
  - : All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine (PICCS) inventory.
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## 16. OTHER INFORMATION

### HMIS Rating Health:

2

Flammability: 1

Reactivity: 0

### NFPA Rating Health:

2

Fire: 1

Reactivity: 0

### Training advice

Read the safety data sheet before using the product. **Further information**

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.

**Sources of key data used to compile the Safety Data Sheet** Regulations, databases, literature, own tests.

### Additions, Deletions, Revisions

Relevant changes have been marked with vertical lines.