

## SAFETY DATA SHEET

### AQUA-CLEAR® PFD

Revision Date: 02-Mar-2023

Revision Number: 27

#### 1. Identification

##### Product identifier

**Product Name** AQUA-CLEAR® PFD

##### Other means of identification

**Hazardous Material Number:** HM004116

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

**Recommended Use** Additive

##### Supplier details

Halliburton Energy Services

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Quito, Ecuador

Halliburton Energy Services

Carrera 7 No. 71-52, Floor 7, Torre B,  
Bogotá, Colombia

Halliburton Energy Services

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##### Emergency Phone number

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Peru: 5116 1867 77

Argentina: +54 11 5219 8871

Chile: +56 44 8905208

Colombia: +57 1 344 1317

Panama: +50 78 387596

Global Incident Response Access Code: 334305

Contract Number: 14012

#### 2. Hazards Identification

##### Classification of the hazardous chemical

Not classified

##### Label Elements

##### Hazard Pictograms

**Signal Word:** None

**Hazard Statements** Not Classified

##### Precautionary Statements

**Prevention** None

**Response** None

**Storage** None  
**Disposal** None

**Contains Substances**

Contains no hazardous substances in concentrations above cut-off values according to the competent authority

**CAS Number**  
NA

**Other hazards which do not result in classification**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
 This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

### 3. Composition/Information on Ingredients

**Product Classification:** Mixture

Substances	CAS Number	PERCENT (w/w)	GHS Classification
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	60 - 100%	Not classified

The exact percentage (concentration) of the composition has been withheld as proprietary.

### 4. First Aid Measures

**Description of first aid measures**

**Inhalation** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

**Eyes** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Skin** Wash with soap and water. Get medical attention if irritation persists.

**Ingestion** Under normal conditions, first aid procedures are not required.

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

No significant hazards expected.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically

### 5. Fire-fighting measures

**Suitable extinguishing media**

**Suitable Extinguishing Media**  
Water fog, carbon dioxide, foam, dry chemical.

**Extinguishing media which must not be used for safety reasons**

None known.

**Physicochemical hazards arising from the chemical**

**Special exposure hazards in a fire**

Decomposition in fire may produce harmful gases. Spills produce extremely slippery surfaces.

**Special protective equipment and precautions for fire fighters**

**Special protective equipment for firefighters**

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

### 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

Use appropriate protective equipment. Spills of this product are very slippery. Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Ensure adequate ventilation. See Section 8 for additional information.

**Environmental precautions**

Prevent from entering sewers, waterways, or low areas.

**Methods and material for containment and cleaning up**

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

**7. Handling and storage**

**Precautions for safe handling**

Avoid contact with eyes, skin, or clothing. Wash hands after use. Avoid breathing vapors. Ensure adequate ventilation. Use appropriate protective equipment.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

Store away from oxidizers. Store in a cool, dry location. Product has a shelf life of 24 months.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure Limits**

Substances	CAS Number	Venezuela	Colombia	Argentina
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	Not applicable	Not applicable	Not applicable

**Appropriate engineering controls**

**Engineering Controls** Use in a well ventilated area.

**Individual protection measures, such as personal protective equipment**

<b>Personal Protective Equipment</b>	If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.
<b>Respiratory Protection</b>	Not normally necessary.
<b>Hand Protection</b>	Impervious rubber gloves.
<b>Skin Protection</b>	Normal work coveralls.
<b>Eye Protection</b>	Safety glasses.
<b>Other Precautions</b>	None known.
<b>Environmental Exposure Controls</b>	Do not allow material to contaminate ground water system.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State:</b> Liquid	<b>Color:</b> Yellowish
<b>Odor:</b> Slight	<b>Odor Threshold:</b> No information available

Property	Values
Remarks/ - Method	
<b>pH:</b>	7 - 9
<b>Freezing Point / Range</b>	No data available
<b>Melting Point / Range</b>	No data available
<b>Pour Point / Range</b>	No data available
<b>Boiling Point / Range</b>	No data available

<b>Flash Point</b>	> 100 °C / > 212 °F Cleveland Open Cup (COC)
<b>Evaporation rate</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Specific Gravity</b>	1.3
<b>Water Solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available
<b>Other information</b>	
<b>VOC Content (%)</b>	No data available

## 10. Stability and Reactivity

### Reactivity

Not expected to be reactive.

### Chemical stability

Stable

### Possibility of hazardous reactions

Will Not Occur

### Conditions to avoid

None anticipated

### Incompatible materials

Strong oxidizers.

### Hazardous decomposition products

Carbon monoxide and carbon dioxide.

## 11. Toxicological Information

### Information on possible routes of exposure

**Principle Route of Exposure** Eye or skin contact, inhalation.

### **Most Important Symptoms/Effects**

No significant hazards expected.

### Toxicology data for the components

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No data available	No data available	No data available

### Immediate, delayed and chronic health effects from exposure

<b>Inhalation</b>	May cause mild respiratory irritation.
<b>Eye Contact</b>	Non-irritating to rabbit's eye
<b>Skin Contact</b>	Not irritating to skin in rabbits.
<b>Ingestion</b>	Swallowing a relatively large amount of this material is unlikely to produce serious illness or

death.

**Chronic Effects/Carcinogenicity**

No data available to indicate product or components present at greater than 0.1% are chronic health hazards.

**12. Ecological Information**

**Ecotoxicity**

**12.1. Toxicity**

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available	No information available	No information available	No information available

**Persistence and degradability**

Substances	CAS Number	Persistence and Degradability
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available

**Bioaccumulative potential**

Substances	CAS Number	Bioaccumulation
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available

**Mobility in soil**

Substances	CAS Number	Mobility
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available

**Other adverse effects**

**Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

**13. Disposal Considerations**

**Disposal methods**

**Disposal methods Contaminated Packaging**

Disposal should be made in accordance with federal, state, and local regulations. Follow all applicable national or local regulations.

**14. Transport Information**

**Transportation Information**

<b>UN Number</b>	Not restricted
<b>UN proper shipping name:</b>	Not restricted
<b>Transport Hazard Class(es):</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Environmental Hazards:</b>	Not applicable

**IMDG/IMO**

<b>UN Number</b>	Not restricted
<b>UN proper shipping name:</b>	Not restricted
<b>Transport Hazard Class(es):</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Environmental Hazards:</b>	Not applicable

**IATA/ICAO**

<b>UN Number</b>	Not restricted
<b>UN proper shipping name:</b>	Not restricted
<b>Transport Hazard Class(es):</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Environmental Hazards:</b>	Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**Special precautions for user**

None

**15. Regulatory Information****International Agreements**

<b>Montreal Protocol - Ozone Depleting Substances:</b>	Does not apply.
<b>Stockholm Convention - Persistent Organic Pollutants:</b>	Does not apply
<b>Rotterdam Convention - Prior Informed Consent:</b>	Does not apply.
<b>Basel Convention - Hazardous Waste:</b>	Does not apply.

<b>NFPA Ratings:</b>	Health 1, Flammability 1, Reactivity 0
<b>HMIS Ratings:</b>	Health 1, Flammability 0, Physical Hazard 0 , PPE: B

**16. Other Information****Revision Date:** 02-Mar-2023**Revision Note**  
Update to Format**Key literature references and sources for data**www.ChemADVISOR.com/  
NZ CCID**Key or legend to abbreviations and acronyms used in the safety data sheet**

bw – body weight  
CAS – Chemical Abstracts Service  
EC10 – Effective Concentration 10%  
EC50 – Effective Concentration 50%  
EEC – European Economic Community  
ErC50 – Effective Concentration growth rate 50%  
IBC Code – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
LC50 – Lethal Concentration 50%  
LD50 – Lethal Dose 50%  
LL0 – Lethal Loading 0%  
LL50 – Lethal Loading 50%

MARPOL – International Convention for the Prevention of Pollution from Ships

mg/kg – milligram/kilogram

mg/L – milligram/liter

NIOSH – National Institute for Occupational Safety and Health

NOEC – No Observed Effect Concentration

NTP – National Toxicology Program

OEL – Occupational Exposure Limit

PBT – Persistent Bioaccumulative and Toxic

PC – Chemical Product category

PEL – Permissible Exposure Limit

ppm – parts per million

PROC – Process category

STEL – Short Term Exposure Limit

h - hour

d - day

**Disclaimer Statement**

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**End of Safety Data Sheet**