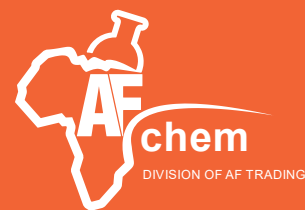


# AF DRILLSAFE

## SAFETY DATA SHEET



### 1. IDENTIFICATION

Product Name	AF Drillsafe
Product Code	40020034
Other Identification	Polymer
Relevant Identified Uses	Drilling fluid additive

#### Company Details

Address:	Plot 69 Groenpad, Boschkop, Pretoria, Gauteng, South-Africa, 0040
Contact Number:	012 111 9520
Email Address:	sales@aftchem.co.za
Emergency Numbers	+2782 958 6676
Medical Treatment	+2784 124
Environmental	+2711 396 3939

### 2. HAZARD IDENTIFICATION

#### Hazard Classification & Rating

Flammability	0	0 = Minimum 1 = Low 2 = Moderate 3 = High 4 = Extreme
Toxicity	0	
Body Contact	0	
Reactivity	0	
Chronic	0	

#### Label Elements

Signal Word	Not Applicable
Hazard Statement	Not Applicable
Pictograms	Not Applicable
Precautionary Statement	P101 If medical advice is needed, have product container or label available P102 Keep out of reach of children
Description of other Hazards	None identified

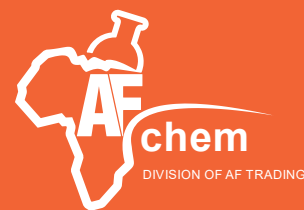
**Power**  
you can trust!



**Medical  
Emergency**  
+27 829 586 676

# AF DRILLSAFE

## SAFETY DATA SHEET



### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

See section below for composition of mixtures

#### Mixtures

Name	Polymer (all ingredients determined not to be hazardous)
CAS No	Not Available
Weight	Not Available
Classification	Not Applicable

### 4. FIRST AID MEASURES

Eye Contact	<ul style="list-style-type: none"><li>Wash immediately with water</li><li>If irritation continues, seek medical attention</li><li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel</li></ul>
Skin Contact	<ul style="list-style-type: none"><li>Flush skin and hair with running water and soap if available</li><li>Seek medical attention in event of irritation</li></ul>
Inhalation	<ul style="list-style-type: none"><li>If inhaled, remove from contaminated area</li><li>Encourage patient to blow nose to ensure clear passage of breathing</li><li>If irritation or discomfort persist seek medical attention</li></ul>
Ingestion	<ul style="list-style-type: none"><li>If swallowed do not induce vomiting</li><li>If vomiting occurs, lean patient forward or place on left side (head down position if possible) to maintain open airway and prevent aspiration</li><li>Observe the patient carefully</li><li>Never give liquid to a person showing signs of sleepiness or with reduced awareness, i.e. becoming unconscious</li><li>Give clean water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink</li><li>Seek medical advice</li></ul>

#### Additional Recommended Treatment

Indication of any immediate medical attention and special treatment needed treat symptomatically and seek medical attention.

### 5. FIRE FIGHTING MEASURES

#### Extinguishing Methods / Media

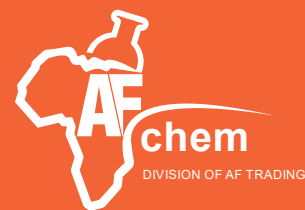
- There are no known restrictions on the type of extinguisher that may be used
- Use extinguishing media and methods suitable for the surrounding area
- It is advised that persons using extinguishing equipment be trained on applicable equipment

#### Advice for fire fighters

Fire Fighting	<ul style="list-style-type: none"><li>Alert Fire Brigade and inform them location and nature of hazard</li><li>Wear breathing apparatus plus protective gloves in the event of a fire</li></ul>
Fire / Explosion Hazard	<ul style="list-style-type: none"><li>Noncombustible.</li><li>Not considered a significant fire risk, however containers may burn.</li><li>Decomposes on heating and produces toxic fumes of; carbon monoxide (CO) carbon dioxide (CO<sub>2</sub>) nitrogen oxides (NO<sub>x</sub>)</li></ul>

# AF DRILLSAFE

## SAFETY DATA SHEET



### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Protection and Precaution

Refer to Section 8 of the SDS

#### Environmental Precaution

Refer to Section 12 of the SDS

#### Methods and Material for containment and cleaning

##### Minor Spills

- Clean up all spills immediately
- Avoid contact with skin and eyes
- Do not use water (H<sub>2</sub>O) to clean spillage as substance will become slippery

##### Major Spills

- Clear area of personnel and move upwind
- Alert Fire Brigade and inform them location and nature of hazard
- Do not use water (H<sub>2</sub>O) to clean spillage as substance will become slippery

### 7. HANDLING AND STORAGE

#### Precaution for Safe Handling

##### Safe Handling

- Access to substance to be controlled
- Unnecessary contact with persons to be limited
- PPE to be worn when risk of exposure occurs
- Applicable symbolic signage to be available at point of storage

##### Other Information

- Store in original container
- Keep container securely sealed

#### Condition for Safe Storage, Including any incompatibilities

##### Suitable Container

- Original container is recommended
- Lined metal can, lined metal pail / can
- Plastic pail
- It is recommended that container to be labeled when decanted from original container

##### Storage Incompatibilities

- Avoid contamination of water, foodstuffs, feed or seed

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Occupational Exposure Limit

##### United States of America

Ingredient Name	CAS No	OSHA	NIOSH	ACGIH
Guar Gum	9000-30-0	Not Available	Not Available	Not Available

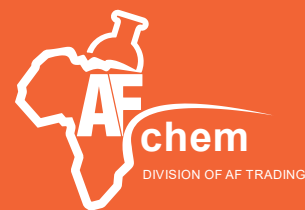
##### Australia

Ingredient Name	CAS No	Australia		
Guar Gum	9000-30-0	Not Available		





Ingredients are determined not to be hazardous

# AF DRILLSAFE

## SAFETY DATA SHEET



### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

Exposure Control	
Engineering Controls	<ul style="list-style-type: none"> <li>Ensure adequate ventilation.</li> <li>Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.</li> <li>If user operations generate dust, fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit</li> </ul>
Personal Protection	   
Eye & Face Protection	<ul style="list-style-type: none"> <li>Eye Protection, safety glasses / goggles</li> <li>Side shields for glasses / goggles may be used</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants</li> </ul>
Skin Protection	<ul style="list-style-type: none"> <li>Long sleeve protective clothing such as overalls to be worn</li> </ul>
Hand & Feet Protection	<ul style="list-style-type: none"> <li>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</li> <li>Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present</li> </ul>
Respiratory Protection	<ul style="list-style-type: none"> <li>Half-Face &amp; Full-Face Respirators should be worn when the risk of exposure arises (P1, P2 &amp; P3)</li> </ul>
Other Protection	<ul style="list-style-type: none"> <li>No special equipment needed when handling small quantities.</li> </ul> <p>OTHERWISE:</p> <ul style="list-style-type: none"> <li>Overalls.</li> </ul>
Thermal Hazard	<ul style="list-style-type: none"> <li>Not Available</li> </ul>

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties			
Appearance	White Powder Dust		
Physical state	Powder Dust	Relative density (Water =1)	Not Available
Odour	Not Available	Partition coefficient n- octanol / water	Not Available
Odour Threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	Not Applicable	Decomposition temperature	Not Available
Melting / Freezing Point (°C)	> 150	Viscosity (cSt)	Not Applicable
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Applicable	Explosive properties	Not Available

▼ Continue below

# AF DRILLSAFE

## SAFETY DATA SHEET



### 9. PHYSICAL AND CHEMICAL PROPERTIES (Continued)

Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Applicable	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution (1%)	5 - 8 (5 g/L)
Vapour density (Air = 1)	Not Applicable	VOC g/L	Not Available

### 10. STABILITY AND REACTIVITY

Reactivity	May react with strong oxidizers
Chemical Stability	Stable under recommended storage conditions. Product is considered stable and hazardous polymerization will not occur.
Possibility of Hazardous Reaction	Hazardous polymerization does not occur
Conditions to avoid	Heat and incompatible materials.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide. Nitrogen oxides (NOx).
Other Information	No information available

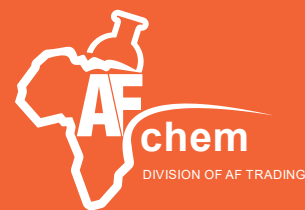
### 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects	
Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting
Ingestion	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.
Eye	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may cause transient discomfort characterized by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result.
Chronic	Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives using animal models); nevertheless, exposure by all routes should be minimized as a matter of course. Long term exposure to high dust concentrations may cause changes in lung function (i.e. pneumoconiosis) caused by particles less than 0.5 micron penetrating and remaining in the lung. A prime symptom is breathlessness.

▼ Continue below

# AF DRILLSAFE

## SAFETY DATA SHEET



### 11. TOXICOLOGICAL INFORMATION (Continued)

AF Drillsafe	<b>Toxicity</b>	<b>Irritation</b>	
	No Information Available	No Information Available	
<b>Acute Toxicity</b>	Data not available to make classification	<b>Carcinogenicity</b>	Data not available to make classification
<b>Skin Irritation/Corrosion</b>	Data not available to make classification	<b>Reproductivity</b>	Data not available to make classification
<b>Serious Eye Damage/Irritation</b>	Data not available to make classification	<b>STOT - Single Exposure</b>	Data not available to make classification
<b>Respiratory or Skin sensitization</b>	Data not available to make classification	<b>STOT - Repeated Exposure</b>	Data not available to make classification
<b>Mutagenicity</b>	Data not available to make classification	<b>Aspiration Hazard</b>	Data not available to make classification

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	
<b>Toxicity Effect</b>	Product is known to be non-toxic
<b>Persistence and degradability</b>	Product is known to be biodegradable
<b>Bio accumulative potential</b>	Product is known to be biodegradable

### 13. DISPOSABLE CONSIDERATIONS

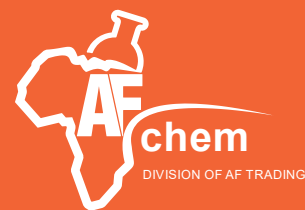
<b>Waste Treatment Methods</b>	
<b>Product / Packaging Disposal</b>	<ul style="list-style-type: none"><li>• Recycle wherever possible or consult manufacturer for recycling options</li><li>• Consult Government Land Waste Management Authority for disposal.</li></ul>

### 14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN	
<b>UN Number</b>	
<b>UN-No. (ADR)</b>	Not applicable
<b>UN-No. (IMDG)</b>	Not applicable
<b>UN-No. (IATA)</b>	Not applicable

# AF DRILLSAFE

## SAFETY DATA SHEET



### 14. TRANSPORT INFORMATION (Continued)

#### UN proper shipping name

Proper Shipping Name (ADR)	Not regulated
Proper Shipping Name (IMDG)	Not applicable
Proper Shipping Name (IATA)	Not applicable

#### Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR)	Not applicable
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##### IMDG

Transport hazard class(es) (IMDG)	Not applicable
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##### IATA

Transport hazard class(es) (IATA)	Not applicable
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#### Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable

#### Environmental hazards

Dangerous for the Environment	No
Marine pollutant	No
Other information	No supplementary information available

#### Special Precautions for User

Overland transport	No Information Available
Transport by sea	No Information Available
Air transport	No Information Available

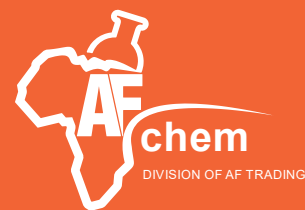
### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

Safety, health and environmental regulations/legislation specific for the substance or mixture	No Information Available
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

# AF DRILLSAFE

## SAFETY DATA SHEET



### 16. OTHER INFORMATION

#### Other Special Considerations

When wet, this material will cause slippery conditions on most surfaces.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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