

HAMMER OIL 150 BIO (ISO)

SAFETY DATA SHEET



1. IDENTIFICATION

Product Name	AF Rock Drill 150 BIO
Product Code	TBA
Other Identification	Hammer oil
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

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you can trust!



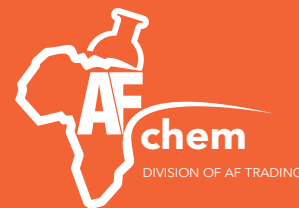
**Medical
Emergency**
+27 829 586 676

Registered BBEEE Level 2
Proudly South-African Company



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of mixtures

Mixtures

Name	Lubricants (all ingredients determined not to be hazardous)
CAS No	Not Available
Weight	100%
Classification	Not Applicable

4. FIRST AID MEASURES

Eye Contact	<ul style="list-style-type: none">Wash immediately with waterIf irritation continues, seek medical attentionRemoval of contact lenses after an eye injury should only be undertaken by skilled personnel
Skin Contact	<ul style="list-style-type: none">Flush skin and hair with running water and soap if availableSeek medical attention in event of irritation
Inhalation	<ul style="list-style-type: none">If inhaled, remove from contaminated areaEncourage patient to blow nose to ensure clear passage of breathingIf irritation or discomfort persist seek medical attention
Ingestion	<ul style="list-style-type: none">If swallowed do not induce vomitingIf vomiting occurs, lean patient forward or place on left side (head down position if possible) to maintain open airway and prevent aspirationObserve the patient carefullyNever give liquid to a person showing signs of sleepiness or with reduced awareness, i.e. becoming unconsciousGive clean water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drinkSeek medical advice

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

- Use carbon dioxide, foam or dry chemical Do not use water as this may cause spitting and spread fire
- 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">Alert Fire Brigade and inform them location and nature of hazardWear breathing apparatus plus protective gloves in the event of a fire
Fire / Explosion Hazard	<ul style="list-style-type: none">Prolonged heating above 200 degrees Celsius will cause Combustion and decomposition, which could irritate both eyes and the respiratory tract.

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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
- Contaminated area will be slippery, and should be cleaned by means of detergents

Major Spills

- Clear area of personnel and move upwind
- Alert Fire Brigade and inform them location and nature of hazard
- Contaminated area will be slippery, and should be cleaned by means of detergents

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
Vegetable Oil	9083-41-4	Not Available	Not Available	Not Available

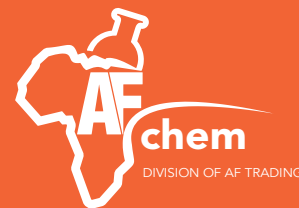
Australia

Ingredient Name	CAS No	Australia		
Vegetable Oil	9083-41-4	Not Available		


Ingredients are determined not to be hazardous

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

Exposure Control	
Engineering Controls	<ul style="list-style-type: none">• Ensure adequate ventilation.• Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.• If user operations generate dust, fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit
Personal Protection	
Eye & Face Protection	<ul style="list-style-type: none">• Eye Protection, safety glasses / goggles• Side shields for glasses / goggles may be used• Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants
Skin Protection	<ul style="list-style-type: none">• Long sleeve protective clothing such as overalls to be worn
Hand & Feet Protection	<ul style="list-style-type: none">• 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.• Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present
Respiratory Protection	<ul style="list-style-type: none">• Half-Face & Full-Face Respirators should be worn when the risk of exposure arises (P1, P2 & P3)
Other Protection	<ul style="list-style-type: none">• No special equipment needed when handling small quantities. <p>OTHERWISE:</p> <ul style="list-style-type: none">• Overalls.
Thermal Hazard	<ul style="list-style-type: none">• Not Available

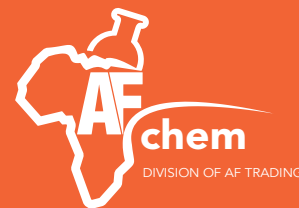
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties			
Appearance	Brown		
Physical state	Oily liquid	Relative density (Water =1)	Not Available
Odour	Typical	Partition coefficient n- octanol / water	Not Available
Odour Threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Applicable	Decomposition temperature	Not Available
Melting / Freezing Point (°C)	Not Applicable	Viscosity (cSt)	150mm 2/s
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	230 °C	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available

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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)	Insoluble	pH as a solution (1%)	Not Available
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	See section 7 of SDS
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.

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11. TOXICOLOGICAL INFORMATION (Continued)

AF Rock Drill 150 BIO	Toxicity	Irritation
	LD 50 rat > 5000mg/kg	No Information Available

Acute Toxicity	Data not available to make classification	Carcinogenicity	Data not available to make classification
Skin Irritation/Corrosion	Data not available to make classification	Reproductivity	Data not available to make classification
Serious Eye Damage/Irritation	Data not available to make classification	STOT - Single Exposure	Data not available to make classification
Respiratory or Skin sensitization	Data not available to make classification	STOT - Repeated Exposure	Data not available to make classification
Mutagenicity	Data not available to make classification	Aspiration Hazard	Data not available to make classification

12. ECOLOGICAL INFORMATION

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

13. DISPOSABLE CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

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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	Yes
Marine pollutant	Yes

Other information

Prevent product from entering drains, watercourses and sewers. If the product does enter drains, watercourses and/or sewers, inform Police, Fire Brigade and Local Authorities immediately.

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

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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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