

1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND COMPANY

Supplier: Pigott Shaft Drilling Ltd
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Product name: **POLYFLOC AE**
 Drilling mud additive

2: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical type: Anionic polyacrylamide in water-in-oil emulsion.
 Hazardous components:

Substance	Concentration (wt%)	Hazard symbol – letter	Risk phrases	OES/MEL for UK
Petroleum distillate hydrotreated light	24	Xi	R65	-

3: HAZARDS IDENTIFICATION

Skin: Irritating to skin.
 Eyes: Not irritating to the eyes.
 Ingestion: Not expected to be harmful if ingested.
 Inhalation: Not expected to be harmful if inhaled.

4: FIRST AID MEASURES

Skin: Remove all contaminated clothing immediately & wash skin thoroughly, launder contaminated clothing before reusing.
 Eyes: Irrigate eye with plenty of water, if irritation persists, seek medical advice.
 Ingestion: No specific First Aid measures required.
 Inhalation: Remove to fresh air and clear airways. Rest and obtain medical advice

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray, carbon dioxide or dry chemical extinguishers.
 Do not use: None known.
 Special exposure hazards: Spray containers with water to keep cool, if exposed to fire.
 Special equipment: Chemical protection suit, suitable gloves & boots, self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Breathing apparatus required in fire only.
 Environmental precautions: Do not allow to enter surface water or sanitary sewer.
 Methods for cleaning up: Soak up with inert and absorbent material (e.g. sand or sawdust). Flush spill area with plenty of water. Remove in containers for disposal in accordance with the Special Waste Regulations 1996 and the Environmental Protection Act 1990.

7. HANDLING & STORAGE

Handling precautions: Do not eat, drink or smoke whilst handling the product. Remove contaminated clothing immediately and launder before reuse.
 Storage conditions: Do not use iron, copper or aluminium containers or equipment.
 Flashpoint as determined by Pensky-Martens closed cup method is greater than 93°C, other test methods indicate potential for flash at temperatures as low as 68°C.
 Avoid extreme temperatures. Store in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: UK HSE EH40
 Petroleum distillate 24%. MAK value 2000mg/m³
 hydrotreated light: CAS No. 064742-47-8
 Reference: OSHA
 Engineering measures: Ensure adequate ventilation and local exhaust ventilation, particularly in confined areas.

Personal protective equipment:

- Respiratory protection: Wear suitable respiratory equipment in the case of insufficient ventilation.
- Hand protection: PVC oil/chemical resistant gloves should be worn.
- Eye protection: Eye/face protection, chemical goggles and face shield should be worn. Eyewash should be provided in areas of potential exposure.
- Skin & body protection: Lightweight protective clothing & a chemical resistant apron should be worn. Wash hands and face thoroughly with soap and water before eating, drinking or smoking.

9. PHYSICAL & CHEMICAL PROPERTIES

Colour:	White	Autoignition temp:	N/A
Form:	Liquid	Explosive properties:	N/A
Odour:	Hydrocarbon	Oxidising properties:	N/A
pH 1% solution:	Not available	Vapour pressure:	Not determined
Boiling point:	~175°C (oil phase)	Bulk density:	1.0g/cm ³
Melting point:	-18°C	Solubility in water:	Appreciable
Flash point:	>93°C (Pensky-Martens closed cup method)	Partition coefficient:	N/A
Flammability:	N/A	% Volatile by weight:	~70%
Evaporation rate:	<1	Decomposition temp:	Not available

10. STABILITY & REACTIVITY

- Stability: Stable at ambient temperatures.
- Conditions to avoid: None known.
- Materials to avoid: Strong oxidising agents. This material reacts slowly with iron, copper and aluminium resulting in corrosion and product degradation.
- Hazardous decomposition: Carbon monoxide, carbon dioxide, ammonia, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Substance/preparation toxicity classification:	Petroleum distillate hydrotreated light 064742-47-8:
Oral LD50 (rat): >5000mg/kg (actual)	Acute oral LD50 (rat): 4.5 - 25ml/kg
Dermal LD50 (rabbit): >2000mg/kg (actual)	Acute inhaled LC50 (rat): 15000ppm
Inhalation LC50 (4-hour rat): >20mg/l	Acute dermal irritation: Irritating
Skin irritation (rabbit): Irritating	Acute eye irritation: Not irritating
Eye irritation (rabbit): Irritating	
Dermal sensitisation: Not sensitising	
Ames Salmonella Assay: No data.	

12. ECOLOGICAL INFORMATION

No aquatic LC50, BOD or COD data available.
 Octanol/H2O partition coefficient: Not available

13. DISPOSAL CONSIDERATIONS

This product should be disposed of in accordance with local regulations and is classified as a Special Waste in the UK. In the UK, it should be disposed of in accordance with the Special Waste Regulations 1996 and the Environmental Protection Act 1990.

14. TRANSPORT INFORMATION

- UK road/rail: Not classified as dangerous.
- IMDG: Not classified as dangerous.
- Customs tariff code:
- ICAO: Not classified as dangerous.
- ADR: Not classified as dangerous.

15. REGULATORY INFORMATION

Supply classification:

Hazard symbol(s):



Xi - Irritant

Risk phrases: R38 - Irritating to the skin.

Safety phrases: S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 – Wear suitable protective clothing.

16. OTHER INFORMATION

Recommended use: Drilling mud additive.

This product has been classified and this data sheet has been produced in line with EC directives, as implemented in the UK by the Chemicals (Hazards Information and Packaging) Regulations.

The information contained in this leaflet is given in good faith. It is accurate to the best of our knowledge and belief at the time of publication. The information given in this data sheet does not constitute or replace the user's own assessment of risk as required by health and safety legislation. Provided that our products are handled, stored and used in accordance with the advice given in this leaflet, they should offer no hazard to health and safety.