



SAFETY DATA SHEET

ACTIGUARD

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: ACTIGUARD

APPLICATIONS: Shale inhibition

SUPPLIER: M-I Drilling Fluids UK Ltd,
Pocra Quay,
Footdee,
Aberdeen. AB11 5DQ
Tel: 44 (0)1224 - 584336
Fax: 44 (0)1224 - 576119

EMERGENCY TELEPHONES: 001 281 561 1600 (USA)

2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.:			
ETHOXYLATED ALCOHOL		-	60-100 %

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS: This product is classified as containing no hazardous ingredients according to the EC Directives.

3. HAZARDS IDENTIFICATION:

Not regarded as a health hazard under current legislation.

4. FIRST AID MEASURES:

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION: Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Get medical attention if any discomfort continues.

SKIN: Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Carbon dioxide (CO ₂). Dry chemicals. Foam. Water spray, fog or mist.
SPECIAL FIRE FIGHTING PROCEDURES:	NOTE! Use air-supplied respirators to protect against gases/fumes. Avoid water in straight hose stream; will scatter and spread fire.
UNUSUAL FIRE & EXPLOSION HAZARDS:	This material may produce a floating fire hazard.
HAZARDOUS COMBUSTION PRODUCTS:	Irritating gases/vapors/fumes of: Carbon monoxide (CO).

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Wear proper personal protective equipment (see MSDS Section 8).
SPILL CLEANUP METHODS:	Stop leak if possible without risk. Contain and recover liquid if possible. Absorb in vermiculite, dry sand or earth and place into containers. Dike far ahead of larger spills for later disposal. Do not contaminate water sources or sewer. Spillage causes slippery surfaces.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Avoid spilling, skin and eye contact. May cause slippery surfaces.
STORAGE PRECAUTIONS:	Keep in original container. Keep in cool, dry, ventilated storage and closed containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

PROTECTIVE EQUIPMENT:



VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
PROTECTIVE GLOVES:	Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Polyvinyl chloride (PVC).
EYE PROTECTION:	Wear approved chemical safety goggles where eye exposure is reasonably probable.
OTHER PROTECTION:	Provide eyewash station. Wear appropriate clothing to prevent repeated or prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Viscous. Liquid.		
COLOUR:	Amber.		
DENSITY/SPECIFIC GRAVITY (g/ml):	0.8 - 0.92	Temperature (°C):	
SOLUBILITY DESCRIPTION:	Dispersible in water. Oil Soluble		
FLASH POINT (°C):	> 100	Method:	P/M Pinsky-Martens.

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable.
HAZARDOUS POLYMERIZATION:	Will not polymerize.
MATERIALS TO AVOID:	Strong oxidizing agents.
HAZARDOUS DECOMP. PRODUCTS:	Fire or high temperatures create: Irritating gases/vapours/fumes of: Carbon monoxide (CO).

11. TOXICOLOGICAL INFORMATION:

INHALATION:	May cause irritation to the respiratory system.
INGESTION:	No specific health warnings noted.
SKIN:	Prolonged or repeated contact may lead to irritation and dermatitis.
EYES:	Spray and vapour in the eyes may cause irritation and smarting.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	Contact M-I's Environmental Affairs Department for ecological information.
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13. DISPOSAL CONSIDERATIONS:

GENERAL/CLEANING:	Empty containers retain residues. All labeled precautions must be observed.
DISPOSAL METHODS:	Recover and reclaim or recycle, if practical. Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION:

ROAD TRANSPORT NOTES: Not Classified
RAIL TRANSPORT NOTES: Not Classified.
SEA TRANSPORT NOTES: Not Classified.
AIR TRANSPORT NOTES: Not Classified.

15. REGULATORY INFORMATION:

RISK PHRASES: Not classified.
SAFETY PHRASES: Not classified.
UK REGULATORY REFERENCES: Classification, Packaging and Labelling Regulations 1984. The Control of Substances Hazardous to Health Regulations 1988.

16. OTHER INFORMATION:

USER NOTES: HMIS Health - 1 HMIS Flammability - 1 HMIS Physical Hazard - 0
INFORMATION SOURCES: The Merck Index, 11. edition, 1989. Material Safety Data Sheet, Misc. manufacturers. Sax's Dangerous Properties of Industrial Materials, 9th ed., Lewis, R.J. Sr., (ed.), VNR, New York, New York, (1997).
Product information provided by the commercial vendor(s).
REVISION COMMENTS: Revised by Sarah Glover
ISSUED BY: Dr. Kirsty Walker
REV. No./REPL. SDS GENERATED: 0
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