



SAFETY DATA SHEET POLY-PLUS (LIQUID)

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PRODUCT NAME

POLY-PLUS (LIQUID)

APPLICATION

Flocculant

SUPPLIER

M-I Drilling Fluids UK Ltd.

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

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest EC Directives.

Not regarded as a health or environmental hazard under current legislation.

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

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INGESTION

Do not induce vomiting. Rinse mouth thoroughly with water and give targe amounts of milk or water to people not unconscious. Get medical attention immediately!

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

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EYE CONTACT

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.

EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Use water to keep fire exposed containers cool and disperse vapours.

SPECIFIC HAZARDS

Fire or high temperatures create: Oxides of: Carbon, and Nitrogen.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

PERSONAL PRECAUTIONS

Wear protective dothing as described in Section 8 of this safety data sheet,

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POLY-PLUS (LIQUID)

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb spillage with non-combustible, absorbent material. Shovel into dry containers. Cover and move the containers. Flush the area with water. May be slippery when wet.

USAGE PRECAUTIONS

Do not use contact lenses. Avoid spilling, skin and eye contact. Provide good ventilation. Avoid inhalation of vapours.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

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SYNTHETIC COPOLYMER	WEL		4 mg/m3 resp. dust		
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSINE- UNSPECIFIED	WEL		5 mg/m3		10 mg/m3

INGREDIENT COMMENTS

WEL (LT. EXP) = 5mg/m3 and (ST. EXP) = 10mg/m3. Oil mlst, mineral workplace exposure limits are currently under review by legislative authorities. Workplace exposure level (WEL) standards applicable to highly refined mineral oils are provided as guidance limits only. Because this product is a liquid, the dust-related WEL'S (workplace exposure limits) for the components do not apply. PROTECTIVE EQUIPMENT









ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY FOUIPMENT

Respiratory protection must be used if air contamination exceeds acceptable level. Wear mask supplied with: Gas cartridge suitable for

HAND PROTECTION

Use protective gloves made of: Impermeable material. Rubber, neoprene or PVC.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate dothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

APPEARANCE

COLOUR Milky.

ODOUR Asphaltic

VAPOUR PRESSURE 0.002 mmHg @ 20 °c

Viscous liquid

pH-VALUE, CONC. SOLUTION 6-8 @ 5g/l for product series

VISCOSITY >7 cSt @ 20°C >212°F (100°C) FLASH POINT (°C)

AUTO IGNITION TEMPERATURE (*C>392*F (200*C)

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid extremes of temperature.

HAZARDOUS POLYMERISATION

Will not potymerise.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Oxides of: Carbon, and Nitrogen.

POLY-PLUS (LIQUID)

ILITOXICOLOGICALINFORMATION

TOXIC DOSE 1 - LD 50

> 5000 mg/kg (oral rat)

INHALATION

Gas or vapour may irritate respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Irritating to skin. Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

RESIDENCE CONTROL CONT

ECOTOXICITY

Contact M-I Swaco's QHSE Department for ecological information.

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DISPOSAL METHODS

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

RISK PHRASES

NC

Not classified.

SAFETY PHRASES

NC

Not classified.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC, Dangerous Preparations Directive 1999/45/EEC.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

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GENERAL INFORMATION

HMIS Health - 1 HMIS Flammability - 1 HMIS Physical Hazard - 1 J - Splash Goggles, Gloves, Synthetic Apron, Dust and Vapor Respirator.

INFORMATION SOURCES

Material Safety Data Sheet, Misc. manufacturers. Sax's Dangerous Properties of Industrial Materials, 10th ed., Lewis, R.J. Sr., (ed.).

REVISION COMMENTS

The following sections have been revised: 1, 2, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15 and 16. Revised by Bill Cameron

ISSUED BY

Sam Hoskin

REVISION DATE

25-10-05

REV. NO /REPL. SDS GENERATED 5

SDS NO. _ 10086

RISK PHRASES IN FULL

NC

Not dassified.

DISCLAIMER

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