MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Information

Product Name :	PP-Pol
Chemical Family:	Amines
Product Use : Clay Hydration Suppressant	
Manufacturer Name:	Petropath Fluids India Pvt. Ltd
Address:	Arekere, B.G.Road, Bangalore-560076. India
Phone Number:	080 26482755,
Fax Number:	080 26482755
MSDS Revision Date:	April 15, 2014
Prepared By:	Petropath Fluids India Pvt. Ltd

Section 2: Composition/Information on Ingredients

Chemical Name	Concentration	CAS#
Polyamine	NA	NA

Section 3: Hazards Identification

Emergency Overview: Seek medical attention if symptoms develop or persist.

Routes of Entry:

Skin Contact:	Yes
Skin Absorption:	No
Eye Contact:	Yes
Inhalation:	Yes
Ingestion:	Yes

Potential Health Effects:	
Skin:	Repeated or prolonged exposure of skin to this product may cause irritation and reddening of the skin. This product will irritate any exposed existing cuts or scrapes.
Eye:	May cause eye irritation upon direct contact with the liquid.
Inhalation:	Prolonged breathing of mists of this product can cause irritation of the mucous Membranes.
Ingestion:	May cause vomiting, if ingested in large quantities (1/4 cup).

Section 4: First Aid Measures

Eye Contact: If splashed into the eyes, flush with water for 15 minutes or until Irritation subsides. Retract eye lids open. If irritation persists, call Physician.

Skin Contact: In case of skin contact, immediately remove contaminated Clothing and wash skin thoroughly with soap and water. Seek

Medical attention if irritation develops. Launder contaminated clothing before re-use.

Inhalation: Remove patient to fresh air immediately.

Ingestion: If patient is conscious, give at least a pint of milk or water to drink. DO NOT induce vomiting, as the risk of damage to the lungs exceeds poisoning risk. Seek immediate medical attention.

Other First Aid: Seek medical attention if symptoms develop or persist.

Section 5: Fire Fighting Measures

Conditions of Flammability:	N/A
Extinguishing Media:	Carbon dioxide, dry chemical, foam, water spray or fog
Flashpoint:	93.33^0 C
Protective Equipment:	Wear suitable protection.

Sensitivity to Impact or Static Discharge: N/A

Hazardous Combustion Products: NO_x and HCl

Fire Comment: Will not normally support combustion.

Section 6: Accidental Release Measures

Personnel Precautions: Use proper personal protective equipment as listed in

section 8.

Spill Cleanup Measures: Wear rubber gloves. Contain spill, soak up and put into a container for recovery or disposal. Flush area with water. Avoid concentrated product into surface waters. Dilute solutions are biodegradable. For spills on water, contain/minimize dispersion and collect.

Section 7: Handling & storage

Handling: Carefully vent internal pressure before removing closure. Wear appropriate personal protection.
Storage: Do not store near strong oxidizing agents.

Section 8: Exposure Controls, Personal Protection, Exposure Guidelines

Engineering Controls: No special ventilation is recommended under normal conditions.

Personal Protective Equipment: Wearing gloves is recommended to avoid prolonged or repeated skin contact. Use splash goggles or face shield when eye contact may occur.

Use a mist-type respirator for airborne mists.
Use Respiratory Protection: NIOSH/MSHA-approved

Exposure Limits: N/A

Section 9: Physical & Chemical Properties

Physical State:	Liquid
Appearance:	Colorless to light yellow
Odour Threshold:	Very low
Boiling Point:	104.44 C

Evaporation Rate:	N/A
Melting Point:	N/A
Freezing Point:	-40 C
Specific Gravity:	1.07
Solubility in Water:	Miscible

Vapour Density:	N/A
Vapour Pressure:	N/A
pH:	approx. 9
Flash Point:	93.33 C
Volatility (% by volume):	N/A
Coefficient of Water to Oil distribution:	N/A

Section 10: Stability & Reactivity

Chemical Stability:	Yes
Hazardous Polymerization:	Will not occur.
Incompatible Substances:	Avoid contact with strong oxidants.
Special Decomposition Products:	Incomplete combustion may produce NO_x and HCl.

Section 11: Toxicological Information

Effects Of Acute Exposure:	N/A
Effects Of Chronic Exposure:	N/A
General Irritancy Of	N/A

Product:

Sensitization:	N/A
Carcinogenicity:	N/A
Reproductive Toxicity:	N/A
Teratogenicity:	N/A
Embryo toxicity:	Not Available
Mutagenicity:	N/A
Synergistic Products:	N/A

Section 12: Ecological Information

Ecotoxicity: Not Available

Environmental Fate: Not Available

Section 13: Disposal Considerations

Waste Disposal: Incinerate or dispose concentrated product according to all regulations. Do not flush to surface waters. Recommended application rate dilute solutions are biodegradable.

Section 14: Transport Information

TDG Classification:	N/A
DOT UN Number:	N/A
Shipping Notes:	N/A

Section 15: Regulatory Information

Workplace Hazardous Materials Information Systems Data (WHMIS):

Class ID	Class	Workplace Hazard
None	Not a Controlled Product	

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16: Additional Information

MSDS Revision Date: April 15, 2014

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.