

MACJAMES®MSIA-14 - SCALE INHIBITOR

PRODUCT TECHNICAL DATA SHEET

FEATURES AND BENEFITS

- Soluble in water, low density brine and Hydrochloric Acid.
- Stable to 176.7°C
- Effective Inhibition of Calcium Carbonate scale
- Synergistic function with dispersant polymers
- Easy to use
- Free flowing Liquid
- Low Viscosity
- Effective in treating seawater for completion applications.
- Can be used neat for squeeze applications.
- Non-flammable
- Non-organic solvent

PRODUCT DESCRIPTION

MACJAMES®MSIA-14 - SCALE INHIBITOR is a water-based and an Amino Trimethylene Phosphonic acid (AMP) inhibitor. It is an effective inhibitor of Calcium Carbonate, Calcium Sulphate, and Barium Scales in light density completion, treatment, and injection fluids, including seawater/brine.

PACKAGING AND CODES: 20Ltr - MSIA-14A: 25Ltr - MSIA-14B:
200Ltr - MSIA-14C: 4 x 200-litre drums on a pallet.

APPLICATION INFORMATION:

MACJAMES®MSIA-14 - SCALE INHIBITOR is used as an additive in light density fluids that may contain undesirable level of hardness.

For Squeeze applications: Use neat or as dilute solution.

For Injection applications: Introduce into the brine or water by a metering pump or dispense in a suitable measuring container.

Can be neutralized for easy handling with Potassium Hydroxide (KOH), Sodium Hydroxide (NaOH), Ammonia solution (NH₃) or other basic amines.

NB: It is highly recommended that a Pilot test is carried out before applying any treatment.

RECOMMENDED DOSAGE/TREATMENT.

CONCENTRATION DOSAGE: 2 to 20 ppm depending on the hardness of the fluid.
Higher concentrations may be used for Squeeze applications

Note: Always pilot test before use.

PRECAUTIONS:

- Avoid skin and eye contact, inhalation or ingestion.
- For Skin Contact, wash with soap and large amount of water.
- For Eye Contact, flush with large amount of water and seek medical attention.
- Use appropriate respirator if ventilation is poor.
- Use Material Safety Data Sheet (MSDS) for specific details.

PHYSICAL PROPERTIES			
Appearance:	Light yellow to clear.	State	Liquid
Odour:	Moderately acidic.	Concentration Monitoring Techniques:	Titration
Specific Gravity @ 20°C :	1.14	Water solubility:	Complete
Viscosity:	2.9p	Autoignation Temperature	Not Applicable (Does not burn)
pH	<2 @ 10:1 dilution	Flash Point:	Not anticipated (water based)
Freezing Point:	< 0°C	Boiling Point:	>170 °C

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING.

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

0 - Minimal
1 - Slight
2 - Moderate
3 - High

4 - Very High

NB: The Material Safety Data Sheet(MSDS) of **MACJAMES®MSIA-14 - SCALE INHIBITOR** is readily available for more information or contact us at info@macjamesglobal.com.

NON-WARRANTY – All data, statements and recommendations contained herein are based upon the best information available and are believed to be reliable. However, no warranty, either expressed or implied, is made concerning the application of this product since the customer’s use cannot be

