

TECHNICAL DATA SHEET

DESCRIPTION

Salt deposition and scale formation inhibitor ARBASCALE-405 is innovative water-soluble antiscalant designed to protect against sediment formation of various water circulation systems, as well as pipelines and systems for collecting watered oil during oil production, collection, transportation and treatment in the oil industry. It is especially effective for protection of well equipment - submersible pump, tubing, field pipelines, shut-off valves from deposits of carbonate and sulfate salts in conditions of high water mineralization.

COMPOSITION

Mixture of aminotrimethylene phosphonic acid, hydrolyzed polymaleic anhydride (obtained using technology that provides optimal molecular weight for the specified functional application) in organic solvent with functional amine additives.

TECHNICAL PROPERTIES

The typical properties of ARBASCALE-405 are listed in below table.

APPEARANCE	Liquid from dark yellow to light brown.
SPECIFIC GRAVITY, kg/m ³	1020 - 1120
POUR POINT, °C	minus 50
VISCOSITY	Not higher 20,0 mm ² /s (cSt) at 20°C

APPLICATION

- ARBASCALE-405 can be used both in the form of delivery and in the form of aqueous or alcohol solutions of various concentrations.
- The average range of working dosages of the ARBASCALE-405 varies from 15 to 50 g/m³ of water.
- ARBASCALE-405 is suitable for injection into wells and for injection directly at oil treatment facilities where high temperatures are present.

PACKAGING AND STORAGE

Products are stored in well-ventilated closed warehouses or under a cover, away from heating devices and ignition sources. Store separately from foodstuffs.

The guaranteed shelf life is 24 months, provided the storage conditions are observed.

SAFETY PRECAUTIONS

- Avoid contact of the product with skin and do not inhale vapors, Use protective gloves and goggles. If the product comes into contact with the skin, it must be washed off with plenty of water.
- If product gets into eyes, rinse thoroughly with water and seek medical advice.
- Product drums must be opened carefully to reduce vapor pressure. Keep the product away from sources of heat, sparks and open flames. Empty drums may contain vapors that form an explosive mixture.