

TECHNICAL DATA SHEET

DESCRIPTION

Passivation agent MECSOPRIME for high – temperature processes (like visbreaking and thermal cracking) used as a primer for the preliminary formation of a passive film on the surface of hot equipment before further use of reagents - antifoulants such as MECSOCOKE and MECSODISP. Due to the formation of a thin, extremely thermo-resistant phosphate film, the metal surface remains clean and passive longer, providing a longer turnaround time.

COMPOSITION

Solution of reaction products of polyalkenyl succinanhydride derivatives and organophosphorus compounds in high-boiling aromatic solvent.

TECHNICAL PROPERTIES

The typical properties of MECSOPRIME are listed in below table.

APPEARANCE	Clear yellow to amber brownish liquid
SPECIFIC GRAVITY at 50°C, kg/m ³	950-1030
POUR POINT, °C	Not above minus 10
FLASH POINT, °C	Above 61°C
VISCOSITY at 50°C	About 40,0 mm ² /s (cSt)

APPLICATION

- To create an effective passive film, the product must be dosed into a hot stream immediately after starting up the equipment and entering the operating mode.
- Typical additive dosage rates of MECSOPRIME from 20 to 50 g/t of high-temperature flow, depending on the type of material design of the equipment (type of steel and content of chromium and other alloying elements in it).
- The best effect from using the MECSOPRIME primer is achieved with the subsequent use of a combination of antifoulants - polymerisation inhibitor MECSODISP with coke formation inhibitor MECSOCOKE.

PACKAGING AND STORAGE

MECSOPRIME additive can be supplied in bulk in tank-containers, as well as in IBC cubes and metal drums.

The product can be stored in closed containers almost unlimited time.

Avoid skin contact and inhalation product vapor. Use gloves when working and safety glasses. In case of contact with skin, wash off plenty of water and soap. In case of contact with eyes, rinse with plenty of water. and consult a doctor. Open containers with care, gradually reducing internal pressure. Containers keep closed and avoid getting into the product water. Keep away from fire and sparks. mixed effectively.