

# IRTEC – MIC/E

## APPLICATION:

**IRTEC-MIC/E** is an emulsifier employed for manufacturing of controlled setting cationic bitumen emulsions used for application in cold micro surfacing treatments especially designed for getting fast cohesion with any kind of bitumen.

**IRTEC-MIC/E** must be neutralized in the water phase with hydrochloric acid (HCl) before emulsion production.

**IRTEC-MIC/E** is totally compatible with other product ammine based.

**IRTEC-MIC/E** must be melted at 50°C for being pumped and used in continuous emulsion plants. For best dissolution in water use small quantitative of hydrochloric acid (HCl).

## DOSAGE:

A recommended dosage depends on raw materials characteristics and desired type of emulsion. It is normally employed in dosages between 0.70% and 1.50% (w/w) of the emulsion. Recommended water phase pH between 1.5 and 2.0.

## CHEMICAL FAMILY:

**IRTEC-MIC/E** is a compound of amine groups derivative.

## PHYSICAL AND CHEMICAL PROPERTIES:

Appearance at 20°C	Reddish Viscous liquid
Specific gravity at 50°C, g/cm <sup>3</sup>	
Flash point °C	0.97±0.02
Total amine value, mg	>125
OHK/g	310 ± 40
Viscosity at 50°C, St	9 ± 1

## STORAGE:

Stable at room temperatures if stored in closed containers and at shadow. Light changes of its shade of color may appear, but it does not mean any problem for its usage.

## PACKAGE:

**IRTEC-MIC/E** is delivered in steel drums of 195 kg.

## SAFETY:

Amine products should be handled with care. In order to avoid injuries, protective gloves and safety goggles should be used. For further information, see our Safety Data Sheet.

The information contained herein is indicative only and without express guarantee. As no control can be exercised over its use, we cannot be held responsible for any damage which may result from its misuse.