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TECHNICAL DATA SHEET

PRODUCT: # IRTEC – RVK

APPLICATION:

IRTEC-RVK is an emulsifier employed for manufacturing rapid setting cationic bitumen emulsions with high viscosity used for application in tack-coat and surface treatments.

IRTEC-RVK must be neutralized in the water phase with hydrochloric acid (HCl) before emulsion production.

IRTEC-RVK is totally compatible with other product ammine based.
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RTEC-RVK must be melted at 50ºC 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 0.20% and 0.35% (w/w) of the emulsion. Recommended water phase pH between 2.5 and 3.5.

CHEMICAL FAMILY:

IRTEC-RVK is an amine product, mainly constituted by fatty diamines.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance at 20°C		Amber Paste
Specific gravity at 50°C, g/cm^3		0,825
Specific gravity at 90°C, g/cm^3		0,805
Pour point, ºC	(ASTM D-1982)	40-45
Total amine value, mg OHK/g	(ASTM D 2073/81)	300 ± 25
Iodine index (g 1/100g)		26-33
Solidification Point ºC		>99 %
HCL 22ºBe to neutralize 1Kg		500 g

STORAGE:

Stable at room temperatures if stored in closed containers and at shadow.

PACKAGE:

IRTEC-RVK is delivered in steel drums of 165 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.

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