

SAFKLEEN 421

Degreasing Agent

DESCRIPTION

SAFKLEEN 421 is an alkaline water-based cleaner used for degreasing and removal of oils, greases, stearates and crystalline phosphate layers on ferrous materials and steels.

APPLICATIONS

SAFKLEEN 421 is used in all types of industries and is suitable for the removal of quenching oils, neat and soluble metalworking fluids.

SAFKLEEN 421 can be used by spraying in washing machines where perfect cleaning is required before heat treatment.

SAFKLEEN 421 can be used by spraying up to 5 bars, by dipping or by ultrasonic in a temperature range from 50°C to 70°C.

ADVANTAGES

- Adapted to the fasteners market
- Powerful degreasing
- Easy ton rinse
- Boron free
- Very good bio-stability
- Biodegradable

TECHNICAL INFORMATION

CHARACTERISTICS	UNIT	METHOD	SAFKLEEN 421
Color	-	-	Colorless
Density at 20°C	-	ISO 12185	1.334
pH at 1% in water	-	NFT 60.193	12.4
Break Point Corrosion	%	IP 287	< 2
Refractometer factor	-	M 15	1.4

The specifications are given for information purposes only and may need to change.

RECOMMENDED CONCENTRATIONS

- Soluble cutting fluid: 3-5%
- Polishing paste: 5-10%
- Crystalline phosphate layer: 5-10%

CONCENTRATION CONTROL

The control of the bath of **SAFKLEEN 421** is carried out as followed:

- Take 10 mL of bath with a calibrated pipette and add 5/6 drops of phenolphthalein indicator, the solution will color in red-violet
- Titrate with 0.1N HCl until complete color change from pink to violet to colorless.

Concentration of SAFKLEEN 421: Concentration % = mL HCl 0.1N X 0.15

HEALTH & SAFETY

- Free from chlorinated additives and boron
- Good dermatological behavior for better user comfort
- Frost-free storage in a dry place