

SAFKLEEN 421

Degreasing Agent

DESCRIPTION

SAFKLEEN 421 is an alkaline water-based cleaner used by spraying 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

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SAFKLEEN 421
Color	-		Colorless
Density at 20°C (68°F)	-	ISO 12185	1.334
Temperature range	-		50-70°C
Refractometer Factor	-		1.4
Break Point Corrosion	%	IP 287	< 2
pH	-	NFT 60.193	12.4 (solution at 1% in water)
Storage	-		in frost-free, dry place

These characteristics are given only for information and can be updated over time.

HEALTH & SAFETY

- Free from chlorinated additives and boron
- Good dermatological behavior for better user comfort

RECOMMENDED CONCENTRATIONS OF USE

- 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 : $\text{Concentration\%} = \text{mLHCl } 0.1\text{N} \times 0.15$

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.