

SAFKLEEN 221

Degreasing Agent

DESCRIPTION

SAFKLEEN 221 is an alkaline water-based cleaner used by dipping or spraying for inter-operational degreasing of ferrous metals.

APPLICATIONS

SAFKLEEN 221 is particularly suitable for the inter-operation cleaning of ferrous metals. It can be used pure in final step in order to protect parts.

SAFKLEEN 221 leaves a water-soluble protective film on the parts, the protection duration depends on the concentration used.

SAFKLEEN 221 can be used by dipping or by spraying up to 5 bars, in a temperature range from 40°C to 70°C.

AVANTAGES

- Protects parts effectively
- Easy to rinse
- Low foaming
- Can be used with any type of water
- Boron and phosphate free
- Very good bio-stability

TECHNICAL INFORMATION

CHARACTERISTICS	UNIT	METHOD	SAFKLEEN 221
Color	-	-	Light yellow
Density at 20°C	-	ISO 12185	1.045
pH at 1% in water	-	NFT 60.193	10.2
Break Point Corrosion	%	IP 287	2
Refractometer factor	-	M 15	2.4

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

RECOMMENDED CONCENTRATIONS

- Passivating without rinsing: 1-3%
- Degreaser: 1-10%

CONCENTRATION CONTROL

The control of the bath of **SAFKLEEN 221** is carried out by evaluating the total alkalinity:

- Take 10 mL of bath with a calibrated pipette and add 5/6 drops of bromocresol green indicator
- Titrate with 0.1N HCl until complete color change from blue to yellow.

Concentration of SAFKLEEN 221: $\text{Concentration\%} = \text{mL HCl } 0.1\text{N} \times 0.24$

A 1% bath consumes about 4.2 mL of 0.1N acid.

HEALTH & SAFETY

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