



SAFKLEEN 221

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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 interoperation 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.

ADVANTAGES

- 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

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SAFKLEEN 221
Color	-		Colorless - amber
Density	-	ASTM D4052	1.045
pH	-	NFT 60.193	10.8 5%
Break Point Corrosion	%	IP 287	2

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

RECOMMENDED CONCENTRATIONS OF USE

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

HEALTH AND SAFETY

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



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: Concentration% = mL HCl 0.1N X 0.24

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

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.

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