



SONITRON®

ABN 66 021 652 107

SPECIAL PRE-SPRAY TECHNIQUES **FOR MORE EXPERIENCED TECHNICIANS**

COMBINED POWDER/LIQUID PRE-SPRAYS

The formulating chemist has limits imposed by factors such as solubility. There is a limit to how much of various powder ingredients will dissolve in a liquid formula. Conversely there is a limit to the amount of solvent, which may be added to a powder formulation before it changes to a paste, which is difficult to handle and measure.

By skillful mixing of powder and liquid formulations, you can have the best characteristics of both types in the one pre-spray.

EXAMPLES

EXAMPLE 1

End users report remarkable cleaning power on impossible carpets with the following mixture.

To make 10 litres of pre-spray

Dissolve 500 grams (approx. 500mls) of KING HIT POWDER PRESpray in 9.5 litres of hot water – say at temperature of average hot water tap. The correct method for instantly dissolving the powder is by sprinkling over the surface and agitating. Add 500 mls. of CITRUS SPECIAL SONISTEAM and stir in.

Standard SONISTEAM may be activated in the same way, and the same formula may also be used for MAXI-T-PRESpray, mixtures with MAXI-T-3 LIQUID and CITRUS SPECIAL MAXI-T-3.

EXAMPLE 2

Smaller amounts of the powder pre-spray may be used as an activator in less difficult circumstances.

Suppose a 7.5 litre Solo Sprayer is being used to apply your prespray. You would dissolve 100 grams (approx. 100mls) of KING-HIT PRESpray as indicated above and add 400mls. of CITRUS SPECIAL SONISTEAM. Standard SONISTEAM may be substituted for the CITRUS SPECIAL SONISTEAM and MAXI-T-PRESpray could also be used in this formula with the MAXI-T-3 lines. In most cases we feel the CITRUS SPECIAL lines give slightly better results in these blends.

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SONITRON® AUSTRALASIA PTY LTD

18 Noble Avenue Northgate Queensland 4013 Phone (07) 3266 9966 Fax (07) 3266 1133

Email : sonitron@sonitron.com.au

www.sonitron.com.au

BLEND TAKING ADVANTAGE of BUFFER CAPACITY

The following formula has now been in use for some years for enhancing the oil and grease removal properties of Standard SONISTEAM by addition of SK50 OIL and GREASE EMULSIFIER.

750 mls. SONISTEAM
200 mls. SK50 OIL and GREASE EMULSIFIER

to 10 litres with clean water

This blend has the same low pH as SONISTEAM, since the SONISTEAM has a stronger buffer capacity than the SK50 OIL and GREASE EMULSIFIER and its lower pH will prevail, provided the ratios stated are used.

SK50 OIL and GREASE EMULSIFIER has a pH in use of about 11.5, and its original use on carpets was to break the almost magnetic attraction of oily greasy soil for polypropylene and polyester fibres for which it is spectacularly successful. These fibres are not affected by high alkalinity and since the product is used as a pre-spray, alkaline residues are rinsed in the extraction phase, to avoid any possibility of browning if there are natural fibres in the carpet backing. Increasingly polypropylene carpets use polypropylene rather than natural fibre in both primary and secondary backing. Sonitron's[®] very effective and highly concentrated acid rinse FIBERINSE the most economical acid rinse on the Australian market, is also available for use in the extraction phase, to provide total neutralisation of any alkaline residue.

The above SONISTEAM/SK50 OIL and GREASE EMULSIFIER low pH blend means that the basic need for such measures is eliminated at the pre-spray stage. In general it is not necessary to add SK50 to CITRUS SPECIAL SONISTEAM or CITRUS SPECIAL MAXI-T-3 since these products have enhanced oil and grease emulsification properties at low pH. It is, however, desirable to leave these pre-sprays on for slightly longer (preferably 15 minutes) to get the best results with these products.