

SPC-501 RUST CONVERTER

PRODUCT DESCRIPTION:

SPC-501 is a phosphoric acid based product that contains an ether type organic solvent. The product will clean any residual surface oil and grease, it will also remove weakly adhered coatings. SPC-501 is designed to remove metal oxides and hydroxides. Any metal oxides remaining on the surface will be converted to ferric phosphate which will adhere closely to the metal surface. The surrounding surface will also be slightly etched by the phosphoric acid which in turn aids the bonding of subsequent protective coatings.

RECOMMENDED USE:

SPC-501 has many uses. The designed application is for the removal and treatment of rusted metal prior to coating. The product can also be used for the cleaning of stainless steel, the brightening of aluminium and the removal and conversion of other ferric oxides.

COVERAGE:

When brushing or spraying a coverage of less than 1 litre per square metre of surface is possible. Repeat application may be required but it is important to allow the first application to react fully. This can often be seen by a change in colouration of the applied area. It will turn black in areas where the full conversion has occurred. When dipping it is important to remember that SPC-501 contains phosphoric acid and objects being dipped should not be left immersed for long periods of time.

PHYSICAL PROPERTIES:

Colour - Clear; pH - 0.5 to 1.0
Viscosity - 9000 to 18000 cPs (gel)
SG - approx. 1.00
Flash Point - > 100°C

PREPARATION:

Before application it is important to remove loose surface matter such as heavy rust scale or large amounts of grease and oil. This will reduce the products reaction time. When brushing or spraying areas not being stripped that are in close proximity to the application surface should be masked and protected with polythene. It is important that a strong ground sheet be used to contain waste, excess product and rinse water. Waste must be tested and treated if necessary before disposal according to local regulations. The use of non-absorbent masking tape is advised when dipping. All surfaces including rubber and plastic should be taped or enclosed by polythene.

SITE CONDITIONS:

It is recommended that temperatures are above 5 to 10°C. The product works better at warmer temperatures. Dipping tanks should be covered but not sealed. Tentage is required when applying outdoors to eliminate effects from wind and rain. Good ventilation should be provided in confined areas.

APPLICATION:

When applying by BRUSH or ROLLER it is important to use a soft medium and apply generously to ensure an even and adequate coverage.

For best results use airless SPRAY equipment. Chemical resistant piston pumps larger than 2 hp or capable of above 2000 psi should be used.

Nozzle Tip	-	0.53 to 0.79 (0.021 to 0.031")
Spray Angle	-	65 to 80°

DIP tanks should be made from PP, PE or HDPE. Stainless steel can be used but SPC-501 should not be stored in the tank.

High pressure wash and steam cleaners increase removal rates and reduce water usage. Above 2000 psi pressure is advised for large areas and it is important to thoroughly wash metal substrates.

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DWELL TIME:

When using chemical removal products the first rule is not to remove them until they have been given time to work. It is therefore recommended that a minimum dwell of 1 hour should be given. SPC-203 will not dry out quickly and can be left overnight. When removing high solid speciality coatings a dwell time of 48 hours or longer may be required. Patch tests are very important.

REPAINTING:

Thorough or pressurised rinsing will remove all paint and product from the surface. Prior to painting the surface must be completely dry. Paint manufacturer's guideline should be adhered to for required surface preparation

HANDLING AND DISPOSAL:

All containers are HDPE and can be punctured or split if not handled with appropriate care. Pails and drums must be secured during transportation to prevent damage. Lids, cap and closures must be tightened when products are being transported.

SPC-203 is produced from organic chemicals and is fully biodegradable. Neutralising and dilution will be required to meet local waste or sewage disposal requirement. Seek advise on local authority requirements before disposal. Spills should be contained and disposed under the same requirements.

STORAGE:

Coating Remover SPC-203 should be stored in a cool dry environment. Extended storage at temperatures exceeding 35°C is not advised and may reduce the products efficacy. All containers must be sealed properly when stored.

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PACKAGING:

Liquid: 5 and 20 litre jerry can; 210 litre drum
Gel: 5 and 20 litre pail; 210 litre drum

Product samples available in 1 litre container.

HEALTH AND SAFETY:

Avoid direct contact of the product with skin. Wear chemical splash goggles, rubber boots and gloves. Areas in direct contact with product including clothing should be washed thoroughly with water. Product may cause slight eye irritation and harmful if swallowed.

Read label and MSDS before use.

DISCLAIMER:

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