

AUTOLAC MISCELLANEOUS PRODUCTS

PRODUCT NAME:	ISSUE DATE: MAY 1998
<ul style="list-style-type: none">• RUST REMOVER	
PRODUCT DESCRIPTION: <p>RUST REMOVER IS AN ACID CLEANER FOR REMOVING RUST SCALE AND OTHER CONTAMINANTS FROM FERROUS METALS PRIOR TO PAINTING OR FURTHER PRETREATMENT. IT CAN ALSO BE USED FOR CLEANING AND ETCHING ALUMINIUM SURFACES AS WELL AS GALVANISED IRON BEFORE PAINTING. RUST REMOVER CAN EITHER BE BRUSH APPLIED OR DIP APPLIED.</p> <p>RUST REMOVER LIGHTLY ETCHES THE SURFACE AND CONTAINS SPECIAL INHIBITORS TO MINIMISE FURTHER ATTACK ON FERROUS SURFACES. IT ENSURES METAL SURFACES ARE FREE FROM RUST, RESIDUES, ATMOSPHERIC CONTAMINATION, HANDMARKS AND TRACES OF GREASE. THE CHEMICALLY CLEAN, LIGHTLY ETCHED SURFACE IS AN EXCELLENT SUBSTRATE FOR PAINT, PROMOTING GOOD ADHESION. RUST REMOVER IS FORMULATED TO MINIMISE PAINT BLISTERING IN SEAMED OR SPOT WELDED AREAS.</p>	
FIELDS OF APPLICATION: <ul style="list-style-type: none">• CAN BE USED FOR MOST TYPES OF WORK INCLUDING SEAMED, SPOT WELDED AND RIVETED ARTICLES AND IS SUITABLE FOR PICKLING STEELS IN AIRCRAFT PRODUCTION ACCORDING TO SPECIFICATION DEF STAN 03-2/1.	
TECHNICAL DATA: <p>COLOUR: TRANSLUCENT LIQUID</p> <p>VISCOSITY: LIQUID</p> <p>SPECIFIC GRAVITY: 1.1-1.2</p> <p>pH : 2.00 ± 0.05</p> <p>FLASHPOINT: > 23°C</p>	
THINNER: <p>RUST REMOVER CAN BE DILUTED LIBERALLY WITH FRESH WATER.</p> <p>WHEN DILUTING, ALWAYS ADD RUST REMOVER TO WATER AND NOT WATER TO RUST REMOVER.</p>	
PRODUCT PREPARATION: <p>FOR DIP APPLICATION, RUST REMOVER CAN BE USED IN A HOT BATH AT A CONCENTRATION OF 1 PART BY VOLUME OF RUST REMOVER TO 4 PARTS OF WATER. THE WORKING TEMPERATURE SHOULD NOT EXCEED 70°C.</p> <p>MORE DILUTE SOLUTIONS AND/OR A LOWER TEMPERATURE CAN BE USED FOR BRUSH APPLICATION.</p>	
SUBSTRATE SURFACE PREPARATION: <p>REMOVE OIL OR GREASE BY SOLVENT DEGREASING. WHERE THERE ARE ONLY TRACE AMOUNTS OF OIL AND GREASE, RUST REMOVER WILL EFFECTIVELY REMOVE THEM BY ITSELF. REMOVE ANY LOOSE HEAVY RUST AND SCALE FROM IRON AND STEEL SURFACES.</p>	

2. RUST REMOVER

APPLICATION EQUIPMENT:

BATH MADE OF STAINLESS STEEL OF AT LEAST 1.2mm FOR DIP CLEANING. ACID RESISTANT BRUSHES.

APPLICATION:

DIP INTO RUST REMOVER BATH.
APPLY BY BRUSH AND ALLOW TO REACT.

TREATMENT TIME:

RUST REMOVER AT A CONCENTRATION OF 1 PART TO 4 PARTS WATER AND AT A TEMPERATURE OF 70°C WILL REMOVE LIGHT TO MEDIUM RUST IN A FEW MINUTES. MORE DILUTE SOLUTIONS AND LOWER TEMPERATURES INCREASES TREATMENT TIME.

FOR EXAMPLE LIGHT RUST IS REMOVED IN 5 MINUTES BY A 1:10 SOLUTION AT 50 - 70°C OR BY A 1:3 SOLUTION AT ROOM TEMPERATURE. TREATMENT TIME FOR ALUMINIUM VARIES SIMILARLY.

FOR GALVANISED IRON USE A 1:4 SOLUTION AND ALLOW TO ETCH FOR 5 – 10 MINUTES.

RINSING/FINISHING:

BEFORE PAINTING, RINSE IN CLEAN RUNNING WATER FOLLOWED BY HOT WATER RINSE (80°C). ALTERNATIVELY A SINGLE HOT WATER RINSE WITH A SOLUTION OF 0.02 LITRE OF RUST REMOVER IN 1 LITRE OF WATER.

PHOSPHATE TREATMENT CAN BE DONE.

IF NO FURTHER PRETREATMENT IS REQUIRED, DRY AND PAINT AS SOON AS POSSIBLE, AVOID ANY DELAY WHICH MAY CAUSE CONTAMINATION AGAIN. FOR BEST RESULTS, THE WORK SHOULD NOT BE LEFT TO STAND OVERNIGHT BEFORE FINISHING.

CLEANING OF EQUIPMENT:

CLEAN ALL EQUIPMENT IMMEDIATELY WITH FRESH WATER.

PRECAUTIONS:

RUST REMOVER IS AN ACID SOLUTION. WHEN HANDLING THE PRODUCT WEAR ACID RESISTANT GLOVES, APRON AND RUBBER BOOTS. WEAR CHEMICALS GOGGLES AND / OR A FACE SHIELD. WEAR ANY OTHER APPROPRIATE PROTECTIVE EQUIPMENT. AVOID SKIN AND EYE CONTACT, INHALATION.

USE IN WELL-VENTILATED AREAS.

STORE IN A DESIGNATED AREA.

PACK SIZES:

500 ml, 1, 2, 5 LITRES.

These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

This data sheet supersedes those previously issued and may be changed without prior notice.

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