

BAR BOND 301

DEGREASING DERUSTING AND PHOSPHATING

INTRODUCTION :

BAR BOND 301 IS AN EXCELLENT DEGREASING, DERUSTING & PHOSPHATING CHEMICAL.

CHEMICAL PROPERTIES:

BAR BOND 301 IS A SOLUTION FORMULATED TO PERFORM DEGREASING, DERUSTING AND ULTRA LIGHT PHOSPHATING IN A SINGLE OPERATION.

IT IS RECOMMENDED THAT ARTICLE CLEANED WITH BAR BOND 301 ARE PAINTED AS EARLY AS POSSIBLE TO AVOID FORMING CORROSION PRODUCTS ON THE SURFACE ALREADY CLEANED.

TYPE :

BAR BOND 301 IS BASED ON PHOSPHORIC ACID, WETTING AND PENETRATING AGENTS.

PHYSICAL PROPERTIES

APPEARANCE AT 27 DEGREE C	:	GREENISH CLEAR LIQUID.
SPECIFIC GRAVITY AT 27 DEGREE C	:	1.2 + 002
ACID POINTAGE 3 % BARBOND 301 WITH 0.1 N.	:	28 + 1
NAOH PHENOPHTHALEIN INDICATOR	:	
SOLUBILITY	:	INDEFINITE IN WATER.
TOXICITY	:	LOW ACIDIC
STABILITY	:	INDEFINITE

APPLICATION :

[A] DIPPING : MIX ONE PART OF BAR BOND 301 WITH 3 TO 4 PARTS OF NEUTRAL WATER. DIP THE ARTICLE FOR 15 TO 20 MINS. [DIPPING TIME SHOULD DEPEND ON AMOUNT OF RUST AND OIL PRESENT]. REMOVE THE ARTICLES FROM THE SOLUTION AND ALLOW TO DRY. IN CASE GREY POWDER IS VISIBLE CLEAN WITH DRY COTTON OR COTTON WASTE.

NOTE : THE DERUSTING ACIVITY WILL ACCELERATE IF THE BATH SOLUTION IS HEATED TO AROUND 60 DEGREE C. HEAT ALSO ENSURES THAT DERUSTING IS UNIFORM AND FASTER.

[B] WIPING : MIX ONE PART OF BAR BOND 301 WITH 2 TO 3 PARTS OF WATER, SOAK A PIECE OF RAG [REFERABLY SYNTHETIC] INTO THE SOLUTION AND APPLY TO THE METAL SURFACE. WAIT FOR FEW MINS AND RUB GENTLY TO LOOSEN THE RUST. KEEP THE SURFACE WET AND CONTINUE RUB – DOWN TILL THE RUST IS TOTALLY REMOVED. WIPE THE SURFACE DRY. DO NOT USE WATER. THIS MODE OF APPLICATION GIVES FLASH COAT OF COMPLEX IRON CHROME PHOSPHATE.

MAINTENANCE OF BATH SOLUTION

- [1] REMOVE PERIODICALLY THE OILY / GREASY LAYER FLOATING ON THE BATH SURFACE.
- [2] REMOVE THE SLUDGE FROM BOTOM OF THE TANK AT REGULAR INTERVALS BY DECANTING TOP CLEAN SOLUTION INTO AN EMPTY TANK AND FLUSHING OUT SLUDGE.
- [3] REPLANISH THE DRAGE OUT LOSSES PERIODICALLY WITH FRESH SOLUTION.
- [4] WHEN THE PROLONGED USE OF THE BOTH THE DERUSTING SOLUTIONS SLOWS THE ACTIVITY BECAUSE OF IRON DEPOSITION, DISCARD THE BATH.

EQUIPMENT :

- [1] FOR CARRYING DILUTED SOLUTION USE PLASTIC OR M.S.BUCKETS.
- [2] FOR DIPPING : M.S., H.D.P.E, FIBRE GLASS TANKS ARE PREFERABLE.
- [3] FOR WIPING : CLEAN RAGS, SYNTHETIC SPONGE, NYLON BRUSH ETC. MAY BE USED.

EFFLUENT DISPOSAL:

REDUCE HEXAVALENT CHROMIUM TO TRIVALENT BY ADDITION OF SODIUM META BISULPHATE AT pH 2.5 – 3.5. PRECIPITATE TRIVALENT CHROMIUM BY ADDITION OF ALKALI SUCH AS LIME, CAUSTIC SODA OR SODIUM CARBONATE PH 8.0 – 8.5.

STORAGE AND HANDLING :

BAR BOND 301 FOR ITS ACID NATURE IS BEST STORED IN PLASTIC CONTAINERS.

USE OF HAND GLOVES OF SUITABLE MATERIAL [PREFERABLY ACID / ALKALI PROOF] PROTECTIVE APRONS, IS STRONGLY RECOMMENDED.

IN CASE OF SPLASH ON SKIN, WASH WITH PLENTY OF WATER AND THEN WITH 5% TO 10% SODIUM BICARBONATE OR BORAX SOLUTION. FOLLOW MEDICAL ADVISE IN CASE OF SPLASHES IN EYES AND OTHER DELICATE PARTS OF THE BODY.