

TECHNICAL DATA

SUPERFOS TN

Description

A liquid titanium phosphating solution used in conjunction with SUPERFOS ADDITIVE to clean and deposit a lightweight conversion coating on steel and mixed metals prior to painting. SUPERFOS ADDITIVE contains surfactants considered by our suppliers to be >80% biodegradable when tested by the OECD screening test which satisfies EEC directives 82/242 and 82/243.

The Control of Substances Hazardous to Health Regulations 2002 (COSHH)

For a Safety Data Sheet on this product please contact Confederate Chemicals by telephone, or by e-mail at lab@confederatechemicals.co.uk

Instructions for use

The components are sprayed with SUPERFOS TN solutions, normally at 10 points concentration or immersed in a 15 point solution.

| Typical make up | 10 point (spray) | 15 point (immersion) |
|-------------------|---|----------------------|
| SUPERFOS TN | 7 litres (7 Kg) | 11 Lt (11kg) |
| SUPERFOS ADDITIVE | 0.5 to 2 litres | 0.5 to 4 litres |
| Water | to 1000 litres | to 1000 litres |
| Temperature | Ambient to 40°C, dependent upon the required coating weight | Ambient – 40C |
| Time | 0.5 – 2 minutes | 1 – 5 minutes |

Where the spray plant has two phosphating stages, it is normal to consider the first stage primarily as a cleaning stage, and the second primarily a phosphating stage. Accordingly SUPERFOS ADDITIVE is put into the first stage. Where only one stage exists, it is desirable to keep the detergent concentration to a minimum.

Control

To process Steel adjust pH to 3.8-4.2
To process Aluminium adjust pH to 3.0-3.2

Total acid: Titrate a 10ml sample of the working solution against 0.1 Sodium Hydroxide to the phenolphthalein end point (colourless to pink). Each ml of Sodium Hydroxide required is considered 1 point. The addition of 0.7 litres SUPERFOS TN) per 1000 litres will raise the concentration 1 point.

Equipment

Heavy gauge mild steel is acceptable to contain SUPERFOS TN solutions although stainless steel is preferable. Pumps, valves, jets etc. must be acid resistant.

04.07
\\Technical Data Sheets\SuperfosTN.doc



CONFEDERATE CHEMICALS LIMITED
MOCHDRE INDUSTRIAL ESTATE, NEWTOWN, POWYS SY16 4LE
TEL: 01686 627158 FAX: 01686 627580
email: sales@confederatechemicals.co.uk