



# Confederate Chemicals Ltd

Mochdre Industrial Estate Newtown Powys SY16 4LE

Emerg. tel: 01686 627158

w: [www.confederatechemicals.com](http://www.confederatechemicals.com) w: [www.paintstrip.com](http://www.paintstrip.com)



## TECHNICAL DATA SHEET

### Super Acidet PCS

#### 1. USE OF PRODUCT

An inhibited colourless acidic liquid detergent preparation used by immersion to remove rust and scale from ferrous metals. It is ideally suited for derusting prior to phosphating or painting.

#### 2. TYPICAL PROCESS LINE

Stage No.	Process Description	Process Time (mins)	Strength (concentration)	Temperature °C
1 dip	Super Acidet PCS	1 - 10	10 – 30%	45 – 90°C
2 spray				
3				

For a Safety Data Sheet on this product please contact Confederate Chemicals by telephone, or by e-mail at [lab@confederatechemcials.co.uk](mailto:lab@confederatechemcials.co.uk)

#### 3. OPERATING THE CHEMICAL

##### 3.1 Chemicals Required

##### Super Acidet PCS

For the control of the process, testing equipment will be required

##### 3.2 Make Up Procedure

To make up the solution carry out the following instructions:





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Determine the working volume of the tank or refer to the relevant Plant Information & Control Summary Sheet. Fill the tank three-quarters full with clean water and begin heating to operating temperature. For each 1000 litres of working solution add:

Product Name	Quantity
Super Acidet PCS	

### 3.2 Testing and Control

(1) *Pointage* - Titrate a 5ml sample against 1.0N Sodium Hydroxide to a pink end point, using phenolphthalein indicator. Each ml of Sodium Hydroxide required represents 0.98% SUPER ACIDET P C S.

(2) *Iron Content* - Take a 10ml sample from the bath and dilute to 100mls with distilled water in a graduated flask. Take a 10ml sample from the flask and add approximately 25mls distilled water and 15-20 drops of 50% Sulphuric Acid. Heat the solution to 45-50°C and titrate against 0.1N Potassium Permanganate to a permanent pink end point.

Each ml of Potassium Permanganate is equivalent to 0.5% Iron. When the level of Iron reaches 6% the solution should be discarded.

### Replenishment

For each % below the recommended figure add for each 1000 litres of bath solution:

Product Name	Quantity

## 4. HANDLING OF WORK

## 5. STORAGE AND HANDLING





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### **6. EQUIPMENT**

Rubber lined, some plastics and stainless steel are suitable for tanks. Pumps etc. must be acid resistant.

### **7. MAINTAINANCE**

### **8. HEALTH AND SAFETY**

The solution is strongly acidic and may be hot, therefore care must be taken when operating the process to avoid splashing. The use of protective clothing, including eye or face protection is to be recommended. If contact with the eyes occur, irrigate with copious quantities of clean water and seek medical attention. Eyewash facilities should be available near the plant in case of accident.

A good standard of industrial hygiene should be observed when handling chemicals or operating the process. Do not smoke, eat or drink when handling chemicals and ensure that PPE is replaced, maintained or regularly laundered as recommended.

Further information, including First Aid details, as required by COSHH Regulations will be found in the relevant Material Safety Data Sheet.

