

## Metall Acid 380L

Liquid Acid Rust and Scale Removal

### Description

Metall Acid 380L is formulated to provide an effective process for removal of rust and scale from ferrous metals.

### User Benefits

- Removes inorganic soils and conditions mild steel surfaces in single operation.
- Active surfactant system wets out and penetrates soil layers which assists in even conditioning of surfaces.
- Light foam layer helps to contain mist
- Low operating concentrations and extended solution life provide economical in use cost.
- Can operate effectively without heating.
- Non fuming - non corrosive to surrounding plant
- Reduced flash rusting after rinsing

### Physical and Chemical Properties

Physical form	:	liquid
Colour	:	clear.
pH (in-use)	:	1 (approximately)
Specific Gravity	:	1.18

### Application

The major application for Metall Acid 380L is found within the Metal-finishing industry. Specific applications include the removal of rust and steel parts before further processing.

### Operating Details

These recommendations are based on field experience and variations may be required for specific applications.

## Immersion

Concentration	:	20% in water. (may be used at lower concentration if heated)
Temperature	:	Ambient to 60 °C.
Time	:	10 mins to 2 hours. (dependant on degree and type of rust/scale)

Note: For immersion application, tanks should be constructed from 316 stainless steel or mild steel with a suitable acid resistant liner such as rubber or PVC.

Rinse after use and dry promptly.

Treatment with a neutralising product such as Metall Coat 3020 is desirable before further processing or to give extended storage life.

## Bath Control

- Take a 10 ml sample
- Add several drops of bromophenol blue
- Titrate with 1.0N Sodium hydroxide until blue endpoint
- Determine the concentration as follows:

$$\text{mls of sodium hydroxide} \times 0.81 = \% \text{ v/v Concentration}$$

## Safety, Transport and Storage

Please refer to the Material Safety Data Sheet.

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