



# Technologies

## TECHNICAL INFORMATION HOTSTRIP

### 1. INTRODUCTION

**Hotstrip** is a heavy duty caustic paint stripper and rust remover. **Hotstrip** is formulated to remove paint from steel and other caustic resistant surfaces. **Hotstrip** is formulated to break the various linkages which hold the paint film together, resulting in the complete breakdown of the dried paint and its removal from the substrate. In rust removal applications, it is used at boiling point. Time will depend on degree of rusting.

### 2. OPERATION SUMMARY

<b>CONCENTRATION</b>	20 – 30 % W/V (200 – 300 g/Litre)
<b>TEMPERATURE</b>	80°C to rolling boil
<b>TIME</b>	30 minutes to several hours
<b>METHOD</b>	Immersion
<b>EQUIPMENT</b>	Mild steel tank

We recommend conducting a trial to ensure that **Hotstrip** removes the required paint and establish optimum conditions. Metal parts should be thoroughly rinsed in water after the paint is removed. When a new bath is made, add 30 kg of **Hotstrip** to 100 litres of cold water. Add the product in small quantities at a time, preferably while stirring the bath. **NEVER ADD TO VERY HOT OR BOILING SOLUTION!**

### 3. BATH CONTROL

The bath is controlled by means of a simple titration as follows:

- A. Take a 5 ml sample from the bath to be tested and dilute to 100 ml with water.
  - B. Take a 10 ml sample of the solution prepared in 1. Make up to 100 ml in water.
  - C. Add 5 drops phenolphthalein indicator.
  - D. Titrate with 0.1 N H<sub>2</sub>SO<sub>4</sub> until pink colour disappears.
- Concentration **Hotstrip** (g/L) = number of mls x 17.

### 4. PRECAUTIONARY INFORMATION

**Hotstrip** is a highly alkaline material containing potassium hydroxide. When handling, wear goggles or face shield and rubber gloves.

When **Hotstrip** is added to a working bath or when a new bath is made, the temperature of the solution increases. Take precautions to avoid splashes.

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**5. FIRST AID**

SKIN	If contact occurs, remove contaminated clothing and wash affected area thoroughly.
EYES	Hold eyelids open and flush with water for at least 15 mins. Get medical advice without delay.
INGESTED	Rinse mouth. If swallowed DO NOT induce vomiting. Give a glass of water. Get medical advice without delay.
INHALATION	If fume inhaled, remove patient to fresh air, lay down, rest, keep warm. If patient is not breathing, make sure airway is clear and apply artificial respiration. Oxygen may be given out only under supervision of a trained person. Transport to a hospital or doctor.

**6. PACKAGING**

**Hotstrip** is packed in 25 kg bags.

**DISCLAIMER**

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