ALLOY STRIP SYSTEM (A & B)

Cleaner, Paint Stripper and Decarboniser

Product Description

ALLOY STRIP SYSTEM (A & B) is a concentrated two part system made up of **ALLOY STRIP (Part A)**, a blended alkaline powder and **ALLOY STRIP (Part B)**, a solvent component. It is formulated to remove organic soils, and paint from either ferrous or non ferrous metals. This **ALLOY STRIP SYSTEM** is designed for use in agitated immersion cleaning units.
ALLOY STRIP can be a drop-in replacement for methylene chloride strippers in some applications, only requiring the addition of heating and agitation. Simple air agitation is often adequate.

Features and Benefits

- Safe on aluminium and zinc.
- Synergistic solvent and detergent action penetrates stubborn soils and paint finishes.
- Emulsifiers assist in suspending oils within the bath and aid in preventing redeposition of oils/paint onto work surface.
- Paint residues easily filtered.
- Drop in replacement for methylene chloride.

Physical and Chemical Characteristics

ALLOY STRIP (Part A)

Form	:	Free flowing powder
Colour	:	Off white
pH (solution) @ 20 g/l	:	12.4

ALLOY STRIP (Part B)

Form	:	Liquid
Colour	:	Tan
pH	:	N/A

Special Note: ALLOY STRIP is generally safe to use on steel, cast iron, aluminium and zinc.
ALLOY STRIP is not safe to use on magnesium.

Recommended Operating Conditions

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

Immersion Tanks:

Concentration:		**ALLOY STRIP Part A**	10-25 grams per litre
		ALLOY STRIP Part B	10% v/v
Temperature	:	40° to 60° C	
Time	:	10-60 minutes (depending on soil conditions, paint type* and degree of agitation.).	

*Epoxy and polyurethane paint finishes will require longer contact times. Removal times also depend on the quality of the paint-to-metal bond.

Bath Control

ALLOY STRIP (Part A):
Take a 10ml sample from the bath. Add about 100ml water.
Add a few drops of phenolphthalein indicator and titrate with 0.1N acid until colourless.
Calculate concentration as follows:

mls x 1.11 = g/litre **ALLOY STRIP (Part A)**.

ALLOY STRIP (Part A) is added to maintain approx 20 g/litre.

ALLOY STRIP (PART B):
Take a 100ml stoppered graduated cylinder. Add 2 teaspoons of salt. Then fill to the 100ml line with a sample of the bath. Shake to dissolve salt.
Stand for ½ hour to allow solvent layer to form on the top.
Measure the mls of the solvent that forms. (M)

Calculate M+5 = % of **ALLOY STRIP (PART B)** in the bath.
Note that the result is approximate as the solvent layer may also include oil removed from the parts cleaned.
Add **ALLOY STRIP (PART B)** as required to maintain approx 10% v/v OR as required to maintain performance.

Equipment

ALLOY STRIP can be used in any mild steel or stainless steel equipment. Pumps used for agitation may be any material resistant to alkalis and solvents, such as mild steel, stainless steel, polypropylene etc. Since ALLOY STRIP is a decarboniser, carbon faced seals may soften and should be replaced with ceramic and tungsten carbide. Neoprene packing glands should not be used.

Packaging

ALLOY STRIP (PART A) is available in 25 Kg containers.
ALLOY STRIP (PART B) is available in 20 Litre containers.

Safety, Transport and Storage Information

Please refer to the Material Safety Data Sheet.

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