

# SYNCLAIR A2

## SAFE WATER-DILUTABLE CLEANER

**Approvals :**  
**AIRBUS FRANCE, FRENCH AIR FORCE (S.T.P.A.),**  
**DASSAULT AVATION, EUROCOPTER**

Biodegradable cleaning compound for foam guns and spraying machines, does not contain petroleum solvents. Formulated for the treatment of plane and helicopter exteriors.

Non-corrosive on all metals (included light metal alloys), plastic materials, composites, glasses and paints, it can be used on all surfaces without any risk of attack or corrosion.

Causes no embrittlement on high resistance steel.

Can be used in warm or cold water, with steam machine under high-pressure, with foam spraying or by dipping.

### **DIRECTIONS FOR USE**

After dilution of the compound into water from 5 to 30 % according to the soils, apply the solution. Let it react a few minutes, agitate if required, then rinse with water under pressure, with or without simultaneous brushing, or even rinse with hot water with a steam engine lance.

SYNCLAIR A2 is formulated to be used without any special preparation in the foam spraying machines, suggested dosage 20 %.

### **TECHNICAL CHARACTERISTICS**

- . COMPOSITION : aqueous solution of surfactants and alkaline salts, anti-redepositing agents. Does not contain any solvent, phosphate, or coloring agent.
- . Appearance ..... yellow liquid
- . Density at 20° C (68° Fh) ..... 1.045
- . pH at 10 % ..... 11.8
- . Flammability ..... none
- . Biodegradability ..... in accordance with legislation
- . Free of soda, phosphate, potash and E.D.T.A.

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## DOSAGE OF SYNCLAIR A2 BATHS

(Concentration between 1 % and 10 % volume)

**Principle:**

Determination of the bath alkalinity by means of an hydrochloric acid solution in presence of methyl orange.

**Apparatus:**

1 250-ml beaker                      1 20-ml pipette                      1 25-ml burette

**Reagents:**

- Solution of hydrochloric acid 0.1 mole/litre Solution of methyl orange at 0.1 % in water

**Process:**

Take 20 ml from the bath by means of the pipette.

Put into a 250-ml beaker.

Add about 100 ml demineralised water and a few drops of methyl orange.

Titrate with the hydrochloric acid 0.1 M until the indicator turns from yellow to pink.

V is the number of mls hydrochloric acid 0.1 M titrated.

The concentration C of SYNCLAIR A2 expressed in percent in volume equals :

$$C \% = 0.67 \times V$$

**SYNCLAIR A2 concentration  
according to the volume of hydrochloric acid 0.1 mol/liter poured.**

Synclair A2 concentration - % volume	Volume of HCL 0.1 mol/liter titrated
1 %	1.5 cm <sup>3</sup>
2 %	3.0 cm <sup>3</sup>
3 %	4.5 cm <sup>3</sup>
4 %	6.0 cm <sup>3</sup>
5 %	7.5 cm <sup>3</sup>
6 %	9.0 cm <sup>3</sup>
7 %	10.5 cm <sup>3</sup>
8 %	12.0 cm <sup>3</sup>
9 %	13.5 cm <sup>3</sup>
10 %	15.0 cm <sup>3</sup>

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## STORAGE AND USE SAFETY MEASURES

On account of the strong degreasing power of SYNCLAIR, in case of a long contact with the skin, it is advised to wear rubber gloves.

Store in original packages, preferably sheltered from cold.

A slight deposit may appear in time during storage, which does not damage the quality of the product at all.

Please consult the safety data sheet for further information.

### **This technical data sheet replaces and cancels the previous one.**

The above details have been compiled to the best of our knowledge, they have, however, an indicative value only, and we therefore make no warranties and assume no liability in connection with any use of this information, particularly if a third party's rights are affected by the use of our products. The above information has been compiled based upon tests carried out by SOCOMOR; all data is subject to change as Socomor deems appropriate. The data given is not intended to substitute for any testing you must conduct in order to determine the suitability of the product for your particular purposes. Please check your local legislation applicable to the use of this product. Should you need any further information please contact our services.

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