

SYNCLAIR A/C

WATER-SOLUBLE CONCENTRATED CLEANER
FOR ALL METALS
SUITABLE FOR USE IN BATH
OR HIGH PRESSURE CLEANER

Approvals:

▪ AIR France	FITS 5205404
▪ AIRBUS	CML 11-001C
▪ SABENA	
▪ FRENCH AIR FORCE (STPA)	
▪ AIR CANADA	99904A1523
▪ NATO	NSN #.7930AD0000025

Conforms to specifications Boeing D6-17487, AMS 1526B, AMS 1535C.

Cleaner formulated for fast cleaning of air vehicles, fuselage, landing gear, wheel bays.

USES

SYNCLAIR A/C is a biodegradable cleaner free from petroleum solvents, intended for the treatment of aircraft and helicopter exteriors and aerospace parts.

It can be used either with hot or cold water, in high pressure cleaner, by dipping or by swabbing and brushing. The high concentration of active ingredients makes high dilutions possible without loss of activity.

Non-corrosive on all metals (even on light metal alloys), plastic materials, composites, glasses and paints, it may be used on all surfaces without risk of attack or corrosion. Causes no embrittlement on high strength steel.

DIRECTIONS FOR USE

Dilute the product in water at the rate of 5 to 10 % according to the nature of soils, then apply the solution. Let it act a few minutes, then rinse with water under pressure while simultaneously brushing, or perform a hot rinse by means of a high pressure washer lance.

In case of use in bath the suggested concentration is 10 to 20% at ambient temperature up to 60°C.

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DOSAGE OF SYNCLAIR A/C BATHS

(Concentration included between 1 % and 10 % in volume)

1) Principle :

Determine the bath alkalinity using a hydrochloric acid solution in presence of bromocresol green.

2) Apparatus :

1 x 250-ml beaker, 1 x 25-ml pipette and 1x 25-ml burette

3) Reagents :

- Solution of hydrochloric acid 0.1 mole/litre
- Solution of bromocresol green at 0.1 % in water

4) Operating process :

- Take 25 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 bromocresol green.
- Titrate with the hydrochloric acid 0.1 M until the indicator turns from blue to yellow.
- V is the number of ml hydrochloric acid 0.1 M required.
- The concentration C of SYNCLAIR A/C expressed in percent in volume equals:

$$C \% = 0.74 \times V$$

**SYNCLAIR A/C concentration
according to the volume of hydrochloric acid 0.1 mole/litre titrated
in presence of bromocresol green**

Sampled quantity	Concentration % volume	Volume of HCl 0.1 M titrated
25 ml	1 %	1.4 cm ³
25 ml	2 %	2.7 cm ³
25 ml	3 %	4.1 cm ³
25 ml	4 %	5.4 cm ³
25 ml	5 %	6.8 cm ³
25 ml	6 %	8.1 cm ³
25 ml	7 %	9.5 cm ³
25 ml	8 %	10.8 cm ³
25 ml	9 %	12.2 cm ³
25 ml	10 %	13.5 cm ³

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TECHNICAL CHARACTERISTICS

- . Appearance limpid liquid
- . Density at 20° C (68° F) 1.08
- . pH at 5 % 11.0
- . Flammability none
- . Biodegradability in accordance with legislation
- . Free from soda, potash, E.D.T.A.

STORAGE AND USE SAFETY MEASURES

Because of the high degreasing power of SYNCLAIR, in case of prolonged contact with the skin, it is advised to wear rubber gloves.

Store in the original closed packages, 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.

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