

SOCOMUL

EMULSIFYING DEGREASING AGENT

SOCOMUL is an emulsifying composition for the degreasing of all metals, all materials, all painted surfaces, without risk of attack or corrosion.

SOCOMUL has very interesting detergent and wetting characteristics; it can be used either by dipping or by spraying at ambient or hot (40 °C) temperature.

SOCOMUL is a very safe product absolutely free from nitrite and flammable, harmful or corrosive substance. It is inert on all metallic surfaces, aluminium, titanium, steels and on all plastic materials, plexiglas, polycarbonates, composites, polyesters or epoxies.

INTENDED USES

Multi-purpose degreasing and cleaning agent intended for construction and maintenance industries, shipbuildings, railways, aeronautical and road industries. In accordance with the decree regarding cleaning agents of materials liable to be in contact with foodstuffs (09-08-1999).

DIRECTIONS FOR USE

By dipping, dilute 5 to 20 % in water at a temperature of about 20 to 50 °C during a contact time of about 10 to 20 minutes – rinse with water.

By spraying or manually, dilution from 5 to 10 %. Optional rinsing according to the destination of pieces.

By vapour or hot water projection under pressure, use a concentration of 0.5 to 2 % at the end of the nozzle - rinse with water.

SOCOMUL is a "soft" alkaline product free from corrosive agent ; the moderate pH, the biodegradability of surfactants and the total absence of solvent make disposals easier.

Keep away from frost in closed original packages.

Socomor
Finishing Technologies

Support technique International / International Technical Support
tel. +33 (0)2 97 43 76 90 fax +33 (0)2 97 54 50 26 E-mail Support@socomor.com
Veillez consulter notre site Web pour connaître notre correspondant le plus proche
Please consult our Web site to find our nearest correspondent
socomor@socomor.com



PROPERTIES

- Appearance..... concentrated liquid
- Density at 20 °C 1.03
- pH at 10 % 10.1
- Flash point..... none
- Biodegradability..... in accordance with legislation
- VOC none
- Free from soda, potash, EDTA

PROPORTIONING OF BATH

1) Principle :

Dosage of the bath alkalinity by means of an hydrochloric acid solution in presence of bromophenol blue.

2) Material :

- 1 beaker of 250 mL
- 1 burette of 25 mL
- 1 pipette of 100 mL, or 1 pipette of 50 ml, or 1 pipette of 10 mL

3) Reagents :

- Solution of hydrochloric acid 0.1 mol/liter
- Solution of bromophenol blue at 0.02 %

4) Samplings :

<u>bath concentration</u>	<u>sampling : A</u>
0 to 4 %	100 mL
5 to 10 %	50 mL
15 to 50 %	10 mL

Socomor
Finishing Technologies

Support technique International / International Technical Support
tel. +33 (0)2 97 43 76 90 fax +33 (0)2 97 54 50 26 E-mail Support@socomor.com
Veillez consulter notre site Web pour connaître notre correspondant le plus proche
Please consult our Web site to find our nearest correspondent
socomor@socomor.com



5) Operating method

5.1 SOCOMUL concentration from 0 to 4 %

In first place, analyze the running water :

- Introduce 100 mL of running water into a 250 ml beaker.
- Add a few drops of bromophenol blue.
- Dose with hydrochloric acid 0.1 M until the blue indicator turns yellow.
- V_{water} is the number hydrochloric acid 0.1M poured.

In second place :

- Pipette A mL from the bath with the pipette.
- Introduce them into the beaker.
- Add about 100 mL of demineralized water and a few drops of bromophenol blue.
- Dose with the hydrochloric acid 0.1 M until the blue indicator turns yellow.
- V is the number of hydrochloric acid 0.1 M poured.
- The concentration C, expressed in per-cent, of SOCOMUL equals :

$$C \% = 0.39 (V - V_{\text{water}})$$

5.1 SOCOMUL concentration from 5 to 50 %

- Pipette A ml from the bath with the pipette.
- Introduce them into a the beaker.
- Add about 100 ml of demineralized water and a few drops of bromophenol blue.
- Dose with the hydrochloric acid 0.1 M until the blue indicator turns yellow.
- V is the number of hydrochloric acid 0.1 M poured.
- The concentration "C" of SOCOMUL, expressed in per-cent, equals :

$$C \% = \frac{34 \times V}{A}$$

**SOCOMUL concentration (in volume)
according to the volume of hydrochloric acid 0.1 mol/liter poured
in presence of bromophenol blue**

sampled quantity	concentration of SOCOMUL in volume	volume of HCl at 0.1 mol/liter
50 mL	5 %	7.30 cm ³
50 mL	6 %	8.80 cm ³
50 mL	7 %	10.30 cm ³
50 mL	8 %	11.80 cm ³
50 mL	9 %	13.20 cm ³
50 mL	10 %	14.70 cm ³
50 mL	15 %	4.40 cm ³
50 mL	20 %	5.80 cm ³
50 mL	25 %	7.30 cm ³
50 mL	30 %	8.80 cm ³
50 mL	35 %	10.30 cm ³
50 mL	40 %	11.80 cm ³
50 mL	45 %	13.20 cm ³
50 mL	50 %	14.70 cm ³

This technical data sheet cancels and replaces the previous one.

The information contained in this technical data sheet is given sincerely but is only indicative. Therefore it involves no liability nor guarantee from our part, particularly in case of attack of third parties's rights as a result of the use of our product. The reported data results from trials by SOCOMOR who may bring some technical changes to the product. On no account can those data replace the preliminary trials that must be carried out regarding the suitability of the product to each specific case. In all cases we advise you to check the local legislation applicable to the use of our product. Our services remain at your disposal for further information.

Socomor
Finishing Technologies

Support technique International / International Technical Support
tel. +33 (0)2 97 43 76 90 fax +33 (0)2 97 54 50 26 E-mail Support@socomor.com
Veuillez consulter notre site Web pour connaître notre correspondant le plus proche
Please consult our Web site to find our nearest correspondent
socomor@socomor.com

