

D-035

STRONG ALKALINE SURFACE CLEANER

METAL CLEANER

GUIDELINE FORMULARY

DESCRIPTION

Strong alkaline cleaner
Specially indicated for iron surfaces
It eliminates oxide and organic residues

COMPOSITION

| | % |
|-------------------|-----------|
| BETADET® S-20 | 2.4 |
| NaOH (50%) | 38.7 |
| Gluconic Acid 50% | 18.0 |
| Deionized Water | Up to 100 |

TECHNICAL CHARACTERISTICS

Kao Method

| | | |
|--------------------------------|--------------------|-----------------------|
| APPEARANCE (20°C): | Transparent Liquid | KCSA-258 |
| pH (as it is): | Alkaline | KCSA-014 |
| SURFACTANT ACTIVE CONTENT (%): | Approx. 1 | KCSA-092 |
| STABILITY TEST: | Correct | (1 month 40°C/RT/5°C) |

RECOMMENDED OPERATIVE METHOD

Process carried out at room temperature.

Add NaOH 50% and stir until complete homogenization.

Add BETADET® S-20 and stir until it is completely dissolved.

Add Gluconic Acid 50% and stir until complete homogenization.

COMMENTS

Alkaline pH in strong hard surfaces cleaners is needed to ensure complete fatty dirt and soil saponification.

Surfactants have to be stable at this high pH. Also amine oxides can be used if more foam is required.

Gluconic acid can be substituted by sodium gluconate.

COMPONENTS

BETADET® S-20 (Lauryl Hydroxysultaine, ≈ 38% a.m.): amphoteric character. Very mild co-surfactant. It decreases the irritation level of anionic surfactants, improving the quality of the foam and performing also as a thickener. It improves the stability of the formula at extreme pH's and low temperature.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

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