



Technical Data Sheet

Perlastan[®] C

Acidic form of anionic surfactant

Field of Application: Cosmetics, household and I&I cleaner, pet care, metal processing industry

Properties after neutralisation:

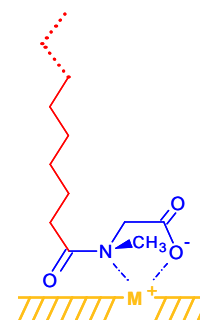
Perlastan C has hydrophobic character in its acidic state. Neutralization with MEA, TEA, long fatty acid amines, KOH, NaOH etc. activates its amphiphilic properties.

- **Good foaming power even at higher pH**
- **Stable, long-lasting lather**
- **Buffer capacity at pH of skin**
- **Mildness to skin**
- **Good wetting and detergency**
- **High efficiency of inhibiting metal corrosion**
- **Compatibility with oxidizing agents**
- **Chemical stability even at extreme high pH**
- **Suitability for semi-natural marketing concept**
- **High biological degradability**
- **Environmentally friendly**
- **Free from preservatives, fragrances and solvents**
- **Sulphate free**

Application:

Surfactant, cleansing agent and metal anti-corrosion additive in metal working fluids and lubricants

Metal corrosion inhibition additive for hydrophobic and hydrophilic formulations. Chemisorption processes on metal surfaces leads to formation of dense monolayers which acts as protective shield even at low treatment levels.



Composition:

INCI: Cocoyl Sarcosine

Product Characteristics:

Supplied form	oil*
Colour	yellow*
Transparency	clear*
Acid value	180 – 210 mg KOH/g*
pH value (1 %)	3 – 5
Water content	0 – 0.5 %*
Free fatty acid	0 – 6 %*
Density at 20°C	0.98 g/cm ³
Freezing point	approx. 0°C

*specified values

Guide Formulation:**Neutralisation of 100g Perlastan C with different bases resulting in 30% solution with pH 7**

Add base/neutralisation reagent to water under stirring. Add Perlastan C with gentle mixing, keep temperature under 55°C and avoid foam formation. Mix additional 30 min.

Neutralisation reagent, g		Water, g
NaOH (50%)	27	228
KOH (50%)	31	221
NH ₄ OH (25%)	27	221
TEA (Triethanolamine)	54	340

Please note, at concentration higher than 30% gelation may occur.

Recommended use concentration:

- Cleaner (1 – 5 %)
- Personal care (1 – 5 %)
- Industrial lubricants (0.1 - 0.3 %)
- Greases (0.1 - 0.5 %)
- Rust preventive fluids (0.5 - 1.0 %)
- Metal working fluids like cutting and grinding oils (0.05 - 1.0 %)
- Fuels (12-50 ppm)
- Aerosol cans (tin/aluminum-plated cans, 0.1 - 0.3 %)

Shelf Life:

24 months after date of despatch

Storage Conditions:

- Store at room temperature
- Store in closed container

Packaging:

Drum of 220 l (200 kg net)
 IBC of 1000 l (900 kg net)

Sample: 1 kg

Note: Regulatory information can be found in the corresponding regulatory data sheet.

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Schill + Seilacher GmbH
Schoenaicher Straße 205
D-71032 Boeblingen

Internet: www.schillseilacher.de

Abteilung KHM

Fon: +49 (7031) 282-241

Fax: +49 (7031) 282-159

E-Mail: surfactant@schillseilacher.de