

MS TopFoam Prozyme

Product Data Sheet

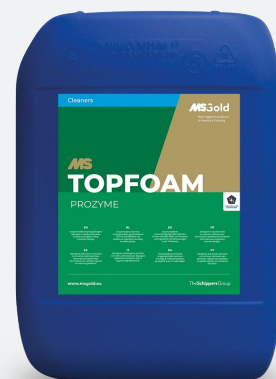
Version 1.0 JUN 2026

In this Product Data Sheet typical chemical and physical properties of **MS TopFoam Prozyme** are explained. All information, including recommendations for use and application of the product are based on our knowledge and experience as at the date of this document.

Product description

MS TopFoam Prozyme is an enzyme-fortified foaming detergent optimized to rapidly break down proteins and organic soiling in livestock settings. **MS TopFoam Prozyme** has a pleasant smell and can be applied by foaming.

Appearance	Yellow liquid
Odour	Lemongrass
pH (undiluted)	8.3
pH (2% dilution)	8.5
Shelf life	2 years
Biodegradability	> 99%
Dilution	1 - 2%
Contact time	15 - 30 min



Ingredients

MS TopFoam Prozyme consists of a mix of proteases which actively break down proteins. In addition, **MS TopFoam Prozyme** contains highly foaming surfactants creating a stable foam that adheres well to vertical surfaces. Due to the chelating agents in the formula, **MS TopFoam Prozyme** can be diluted with hard water.

Storage and handling

Store **MS TopFoam Prozyme** in the closed original container at frost free conditions in a dark and well ventilated room. Optimal storage temperature is between 4 - 25°C. Storage above and below these temperatures might adversely affect product properties.

Handle the product with care and with the right personal protection gear (protective clothing, safety goggles, gloves) and under sufficient exhaust ventilation.

Further detailed safety information can be found in the **Material Safety Data Sheet**.

Standard packaging

Size (kg)	Packaging	Material	Size (L x W x H) (mm)	Color
22	Can	HDPE	297 x 260 x 357	Blue

Packaging sizes mentioned above are standard sizes, depending on the country other sizes might be available. Contact your local advisor for more information.

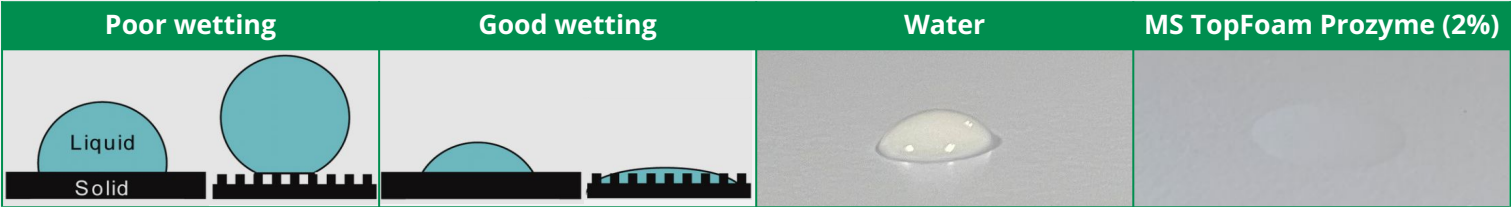
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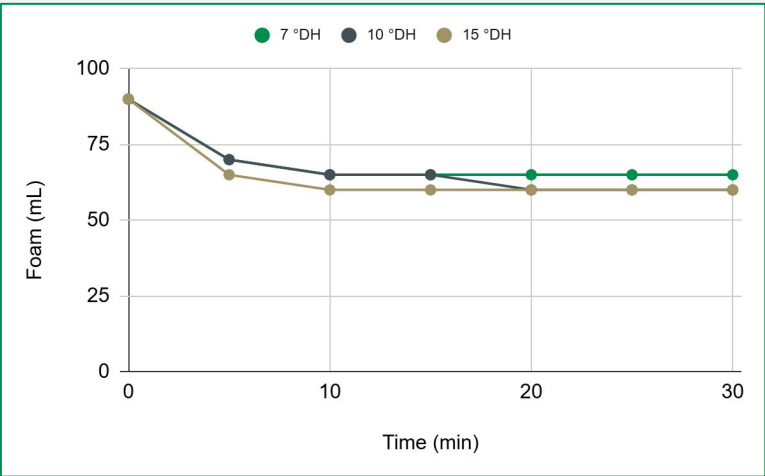
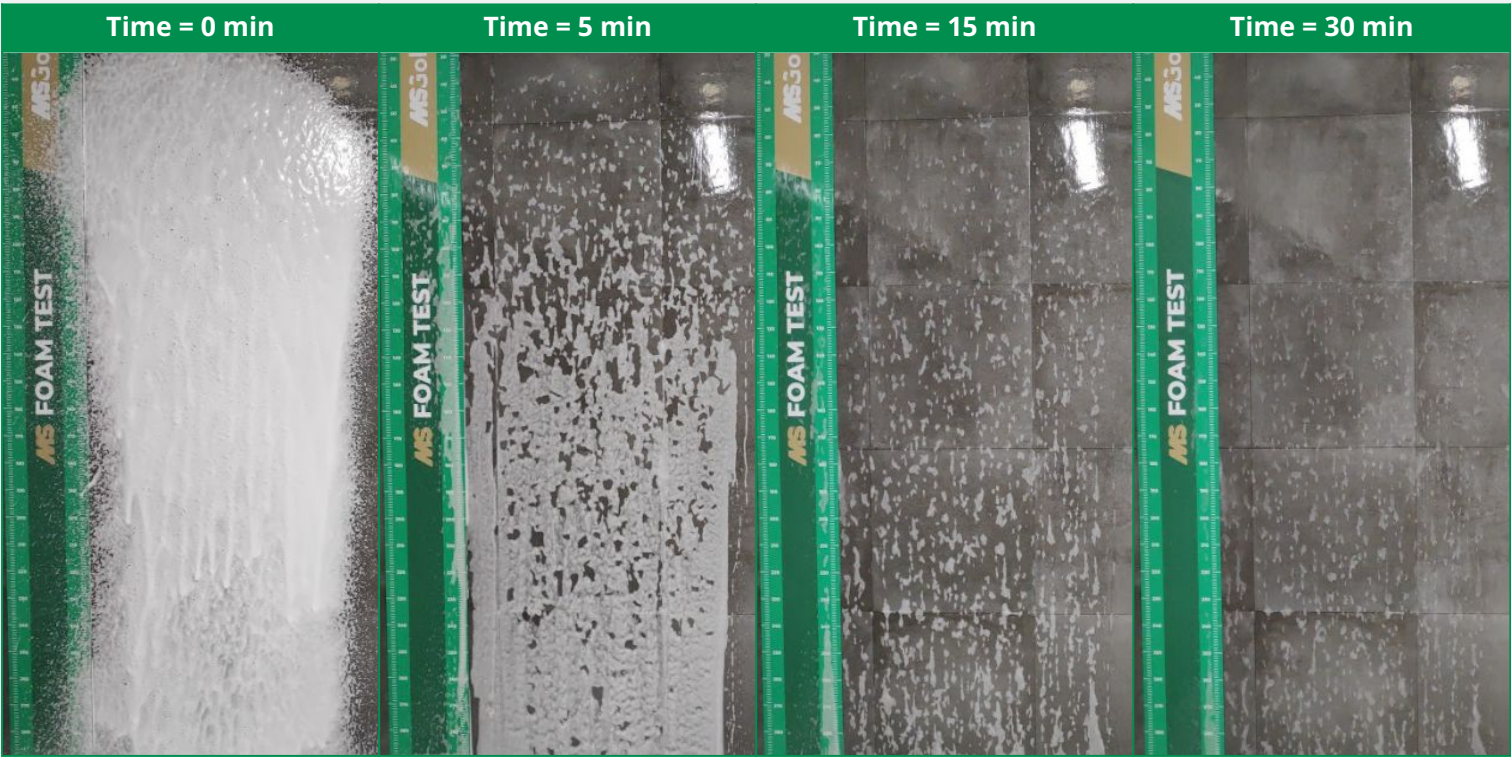
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Wetting

The wetting of **MS TopFoam Prozyme** on a coated surface was compared with water. The better the wetting of a product, the better the spreading of the product on the surface and the better the contact. This will result in better cleaning. The shape of a droplet on a surface is a measure of the wetting. The flatter the droplet is, the better the wetting. The wetting of **MS TopFoam Prozyme** is much better than water, even at a 2% dilution.



Foaming



The foaming capacity of **MS TopFoam Prozyme** was investigated in a lab test and by spraying the product on the wall. The pictures above are taken at certain time intervals after spraying the diluted product on a coated non-porous wall. The product adheres longer than 30 minutes on a vertical surface, what ensures the effectiveness in the stable.

The graph on the left shows the amount of foam generated by a 2% dilution in soft and hard water in a measuring cylinder after shaking the diluted product for a predefined time. The amount of foam was measured over time. **MS TopFoam Prozyme** generates a stable foam, independent of the water hardness.

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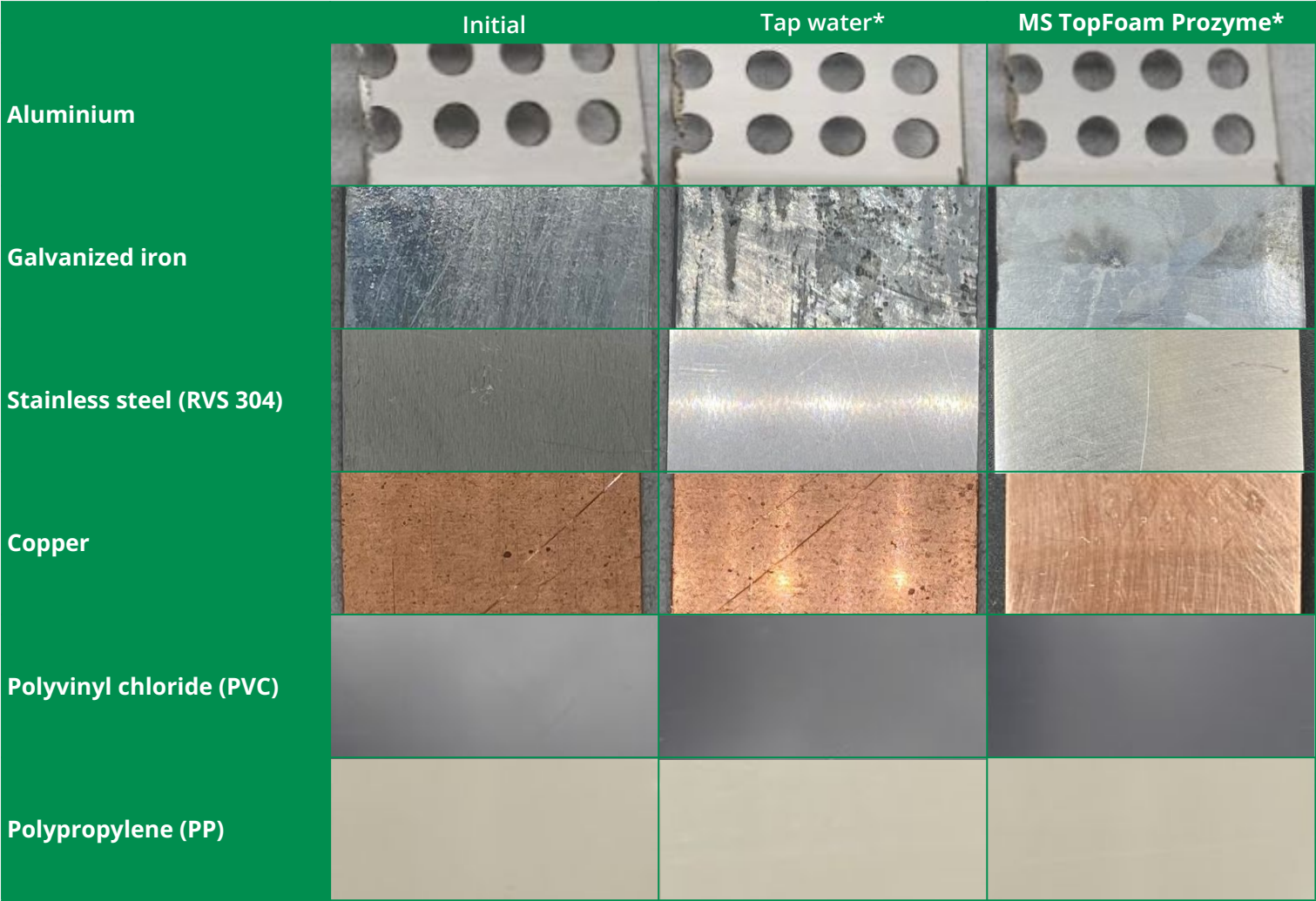
Corrosivity

The interaction of **MS TopFoam Prozyme** with various materials (metals and plastics) was determined in a coupon immersion and mass loss test. Coupons of the various materials were immersed into a 2% solution of **MS TopFoam Prozyme** for 7 days (168 hours). This time is equivalent to 336 times soaking for 30 minutes. The corrosion rate was calculated using the following formula:

$$Rc = K \times \frac{W}{A \times T \times D}$$

where:
Rc = corrosion rate (mm/y)
K = constant (= 87600)
W = mass loss (g)
A = area (cm²)
T = exposure time (h)
D = density (g/cm³)

Material	Corrosion rate (mm/y)
Aluminium	< 0.05
Galvanized iron	< 0.05
Stainless steel (RVS 304)	< 0.05
Copper	< 0.05
Polyvinyl chloride (PVC)	< 0.05
Polypropylene (PP)	< 0.05



*Materials were immersed in solution for 168 hours.

In general it can be concluded that **MS TopFoam Prozyme** is not corrosive to the various materials tested. All corrosion rates are lower than 0.05 mm/y and next to that there is no visual difference before and after immersion. Therefore it is safe to use **MS TopFoam Prozyme** on the most common materials used in livestock farming.

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Usage calculation

SPRAYING / FOAMING	
Wetting	0.4 L/m ²
Concentration	2.0 %
Density	1.168 kg/L

Amount of **MS TopFoam Prozyme** needed for 1 m²:
 $0.02 * 0.4 = 0.008 \text{ L/m}^2$

Area that can be cleaned with 1 kg **MS TopFoam Prozyme**:
 $1 / (0.008 * 1.168) = 107 \text{ m}^2$

Disclaimer

All results and recommendations made in this document are based on tests performed with MS Schippers materials. The Schippers Group recommends strongly to perform tests at the location of use and with the local application equipment to ensure the optimal use of the product. Contact your local advisor for assistance.