

NEUTRAL CLEANING AGENT - CLEANING BOOSTER

I. APPLICATION AREAS

GRATO 1 MARINE is an excellent cleaning compound to be used as tank cleaning agent in combination with butterworth machine, recirculation, injection and high or low pressure systems.

GRATO 1 MARINE is a high concentrated stable liquid water based cleaning agent, free of solvents, alkali, acids, solvents and phosphates.

GRATO 1 MARINE can be used as stand-alone cleaning agent or as cleaning booster in combination with alkaline or acid cleaners. GRATO 1 MARINE is especially effective for the removal of gas-oil, vegetables oils, lube oils, hydrocarbon chemicals...

GRATO 1 MARINE is suitable for use on stainless Steel, epoxy coatings and zinc coated tanks.

GRATO 1 MARINE has high demulsifying properties.



Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

APPLICATION

GRATO 1 MARINE can be used in both freshwater and seawater.

Recommended concentration as stand-alone cleaner : 0,4 - 1% (depending on the contamination)

Recommended concentration as cleaning booster in combination with Grato 50 Marine: 0,2 – 0,4 %

Cleaning temperature: 10 - 80°C

II. TECHNICAL DATA

Appearance	Colorless to white liquid
Density 20°C (DIN 51757)	1,08 g/cm3
pH-value (1%)	7,2
pH value 100 %	7,8

III. DIRECTIONS FOR USE

Preliminary Statement : Prior to use it is necessary to read the Material Safety Data Sheet for information about precautionary measures and safety recommendations.

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The level of biodegradability of the surfactants in GRATO 1 MARINE is greater than 90 %.

V. CLASSIFICATION

Please refer to the corresponding Material Safety Data Sheets for details on :

- Hazardous Information
- Transport Regulations
- Safety Regulations

VII. STORAGE

Recommended Storage Temperature :

0 to 40°C

Shelf-life : (in unopened original packaging)

36 months

ADDITIONAL INFORMATION

The information provided in this Technical Data Sheet (TDS), including the recommendations for the usage and the application of the product, is based upon our knowledge and experience of this product at the date the TDS was issued. The product may present different types of application and different application and operating procedures in your environment that are beyond our control. Consequently, Henkel cannot be held liable for the suitability of our product for the production processes and the conditions in which you use it, nor for the expected applications and results. We strongly recommend that you carry out your own prior checks and tests to confirm the suitability of our product.

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ADDITIONAL INFORMATION

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