

TECHNICAL SAFETY DATA SHEET

HD 12NF – DESCALER & CLEANER : Non-Foaming Dacid NF (FG)

CERTIFICATION:

SANS 1828 (FOOD GRADE)

Section 1. Product Description and Picture

HD 12NF is a non-foaming concentrated multipurpose acid descaler & cleaning detergent – (CIP) .

Used primarily as an acidic, broad spectrum descaler and cleaner for inorganic soiling. Will effectively remove hard water residue and thus perfect for use in CIP / BOILERS & in areas of high turbulence and water/air movement due to its low foaming properties. Can be used for general acidic cleaning & hard water mineral deposit neutralizing / removal. Safe for use on stainless steel and aluminium. Kettle and element scale remover. Rust remover.



Advantage : Multifunctional application , removes scale , soiling & rust
 Easy to use , with quick results
 Excellent descaling, cleaning and emulsification properties
 Low foaming , free rinsing
 Alkaline residual neutralizer

HD 12NF is an water soluble, contains phosphoric acid food grade & specialized low foaming cleaning surfactants.

Section 2. Technical Data

Colour	:	Amber
Appearance	:	Semi viscous liquid
Odour	:	Acidic Detergent
pH @ concentrate	:	1-2
pH @ 1% dilution	:	2.5 - 3.5
pH @ 1% range	:	Acidic Range
Flash Point	:	Not Applicable
Dissolvable	:	In water only

Section 3. Properties

Water soluble, contains phosphoric acid food grade & specialized low foaming cleaning surfactants.

Section 4. Method of Application

Can be used at room temperature. Charge directly into the system or piping to remove hard scaling and protein soiling. Time of application will depend on the amount of scale to be removed. When using as degreaser, use as and when required.

Dilute at 0,5% - 2% ratio (Hot or Cold)

5ml – 20ml : 1L water depending on soiling

Application	Product	Water	Ratio(%)
CIP / Boiler	1	200	(0.5%)
Light duty	1	100	(1%)
Medium duty	1	50	(2%)
Heavy duty	1	25	(4%)

HYGIENE DISPOSABLES

Section 5. Health and Safety Precautions

Storage

Cool storage. Avoid sunlight. Keep the container sealed

Skin

Avoid skin contact.

Use gloves.

Should skin come into contact with product – wash skin with water, a barrier cream or moisturising cream should be applied to the affected area.

Eyes

Avoid eye contact.

Use goggles.

Eyes should immediately be washed out with copious volumes of water or eye wash solutions.

Ingestion

Do Not Ingest.

Consult a physician **immediately**.

Section 6. Other Information

Dacid NF (FG) is an excellent all-purpose low foaming descaling acid detergent and can be used for a wide variety of applications.

Dilution (Yes / No)	:	Yes , dilute with cold or warm water , dilute to suit specific application Best used undiluted charged directly into system
Temp – Average	:	20 degrees Celsius / (Ambient water)
Temp – Max	:	50 degrees Celsius / (Warm water)
Dilution (%)	:	Average dilution 1% or 2% or 4% volume / water CIP cleaning @ 0.5% volume / system
Contact time	:	As required
Additional info	:	Stronger dilution will increase cleaning efficacy & reduce contact time required Elevated water temperature will enhance the cleaning efficacy / performance

Section 7. Spillage and Disposal

Empty containers, or used containers should be sealed and returned to the supplier, or dumped at a waste disposal site according to local regulations. If this is not possible, container should be thoroughly rinsed with soap and water and stored well closed until it can be disposed of.

Technical Assistance

The Technical Sales Representative will provide assistance as required to the customer, before, during and after a trial.

Should any problem arise with the application of the product, the Technical Sales Rep should be contacted immediately.

Head Office contact number is: 011-314 0714

The information contained herein is based on our best current technical knowledge of the product concerned and is given in good faith.

The attention of end users is drawn to (amongst other things) the element of risk consequent to the use of the product for purposes other than that for which it was intended. In no way does the document remove the need for the user of this product to fully understand and apply statutory requirements. It is the user's sole responsibility to take due precautions relative to the use made of the product. All the information included herein is intended onto to assist the reader in fulfilling his or her statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive and does not exonerate the reader from taking other precautions described in documents other than those mentioned concerning the storage and use of the product for which he or she remains the sole person responsible.
