PRODUCT INFORMATION CAUSDETA 25

CAUSTIC DETERGENT

DESCRIPTION

Causdeta 25 contains Caustic Soda (NaOH), EDTA and a synergic blend of other scale control agents. This makes it suitable for cleaning soils with a high mineral content where products such as Caustak 25 or Caustak 30 may not be as efficient.

Causdeta 25 is formulated to be low foaming, enabling it to be used in recirculation applications. It is designed primarily for applications in Breweries, Beverage, Dairies and Food Processing plants. Causdeta 25 is also suitable for use in other high care industries.

Causdeta 25 has a very low freezing point (< -10°C); this is much lower than higher strength caustic detergents.

Causdeta 25 is ideal for applications where product is stored outside during the winter or for unheated bulk dispense systems.

USE INSTRUCTIONS

In use concentrations of Causdeta 25 are application dependent and should be established during trials.

A 1% solution will give approximately 0.32% w/v causticity (0.32% w/v NaOH) and is compatible with at least 130 ppm of water hardness.

Cleaning temperatures should be optimised during trials. For fatty or heavily carbonised soils, temperatures above 90°C can be used. However, for protein soils, it is often more effective to clean at lower temperatures (up to 70°C).

Causdeta 25 is not suitable for direct food contact.

The following are typical example applications, users should refer to Cleaning Instruction Cards for specific guidance. Other applications should be discussed with your Holchem Consultant.

CIP. For Cleaning in Place applications, Causdeta 25 is typically circulated for 20 – 30 minutes at 1% to 5% v/v. For soils with a very high mineral content (milkstone etc), it is advisable to validate trial cleans by checking for the presence of free EDTA at the end of cleaning. Ideally at the end of cleaning there should be a minimum of 200 ppm free EDTA present (Test Kits for free EDTA are available from Holchem). Before circulating the detergent, pre-rinsing with water is advisable. After cleaning, the circulation loop should be flushed with water until the pH or conductivity of the rinsings is approximately equal to that of the water.

Cooking Vessel Boil-out. Causdeta 25 is used to boil-out cooking vessels to remove carbonised and mineralised product residues. Typically concentrations will be between 1% to 3% v/v at up to 100°C. The cooking vessel is typically boiled for 30 minutes with the detergent.

Fryer Boil-out. Causdeta 25 is used to boil-out oil fryers to remove the carbonised oil and product residues. Typical use strengths are 1% to 5% v/v. The fryer is typically boiled for 1 to 2 hours with the detergent.

Traywashing. Causdeta 25 is used as a traywash detergent at 0.5% to 2% v/v solution.

BENEFITS

- Low dilutions give high causticity.
- Suitable for recirculation and boil-out applications.
- Low freezing point.
- Blended chelant system for optimal soil breakdown and hard water tolerance.

CAUSTIC DETERGENT

TECHNICAL DATA

Appearance	Colourless non-viscous liquid	
Odour	Ammoniacal	
Foam	No foam	
Specific Gravity at 20°C	1.28	
Active Alkalinity	25% w/w NaOH	
pH (1% solution at 20°C	12.0 - 13.0	
Chemical Oxygen Demand (COD)	88 g/L	(As supplied)
Nitrogen Content (N)	3.3 g/L	(As supplied)
Mercury[1]	0.052 mg/L	(max)
Cadmium	0 .0052mg/L	(max)
Storage Temperature Range	-10°C to +40°C	
Shelf Life	Minimum of 2 years under normal conditions	
Holchem Classification		

[1] *Note: Holchem's policy is to use Mercury free caustic.*

PRODUCT COMPATIBILITY

Causdeta 25 is safe for use on 304 and 316 Stainless Steel. It is corrosive to Aluminium, Copper, Zinc, Tin and their alloys.

Contact with certain plastics can result in stress corrosion cracking.

BIODEGRADABILITY

This product consists mainly of inorganic components for which biodegradation assessment is not applicable. The product meets the requirements of the European Detergents Directive 648/2004 as amended. Not expected to Bioaccumulate.

TEST METHODS

CONDUCTIVITY

The specific conductivity at 20°C is approximately 17.9 mS / per 1% v/v.

A 3.1% v/v solution of Causdeta 25 will produce approximately 1% w/v Sodium Hydroxide solution with a conductivity at 20°C of approximately 55.5 mS.

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DROPPER TEST (ALKALINE TEST KIT)

Reagent	Ref.	Equipment	Ref.
PA1	SKS00803-01	5 ml Syringe	SKS00820
PA2	SKS00803-02	20 ml Syringe	SKS00822
		Polycarbonate Test Jar	SKS00823

Step	Method
1	Using the syringe, transfer 2 ml of the test solution into the test jar.
2	Dilute with water to about 20 ml.
3	Add 2 to 3 drops of PA1. The test solution should turn red.
4	Add PA2 dropwise, shaking or swirling the bottle after each addition to mix properly, until the solution becomes colourless. Note the number of drops of PA2.

% v/v Product = (No. of drops of PA2) x 0.105

Using a 2 ml sample of the test solution and following steps 2 to 4.

% w/v NaOH = (No. of drops of PA2) x 0.032

SAFE HANDLING & STORAGE

Keep containers tightly closed.

COSHH places a duty on employers to assess and control the risks of using hazardous substances. The Safety Data Sheet provides the relevant information about the product to assist with this assessment.

PACKS

Causdeta 25 is available in the following pack sizes:

30 Kg
240 Kg
1300 Kg
Bulk

GENERAL

For accident, emergency and health & safety information refer to the Safety Data Sheet for this product. This product is registered with the National Poisons Information Service.

EMERGENCY TELEPHONE NUMBERS

Outside Office Hours: - For accidents and spillages involving this product that pose a threat to the environment, or human health, or require immediate first aid advice call: - +44(0) 7050 265597.
Note: This number will not accept order queries or calls dealing with equipment breakdowns.

Environment Agency (24 hr Advisory Service)	0800 807060
Irish Environment Protection Agency	1890 335599

Whilst every effort is made to ensure that the information given in this product information sheet is accurate it is given without guarantee, since the conditions of use are beyond our control.