PRODUCT INFORMATION CAUSTAK 30

CAUSTIC DETERGENT

DESCRIPTION

Caustak 30 contains Caustic Soda (NaOH) and a blend of sequestering agents to inhibit scale formation and improve detergency.

Caustak 30 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. Caustak 30 is also suitable for use in other high care industries.

Caustak 30 has a high freezing point (approx 5°C); during cold periods it must be protected from frost and wind chill. Bulk tank systems must have trace heating and pipework should be lagged and trace heated.

USE INSTRUCTIONS

In use concentrations of Caustak 30 are application dependent and should be established during trials.

A 1% v/v solution gives approximately 0.4% w/v causticity (0.4% w/v NaOH).

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).

Caustak 30 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 Clean In Place applications, Caustak 30 is typically circulated for 20 – 30 minutes at 2% to 4% v/v. The exact concentration is dependent on water hardness and soil type/level. Before circulating the detergent, pre-rinsing with water is advisable. After cleaning, the circulation loop should be flushed with clean water until pH or conductivity of the rinsings are approximately equal to that of the water.

Occasionally CIP cleans need to be boosted by use of additives such as Adhol No.10. Caustak 30 is compatible with Adhol No.10, but advice on procedures should be taken from your Holchem Consultant.

Cooking Vessel Boil-out. Caustak 30 is suitable for boil-out cleaning of cooking vessels. Caustak 30 should be dosed between 1% and 4% v/v dependent on the level of soiling. Typical contact time (boil-out time) should be approximately 20 – 30 minutes. Where a soil has become heavily mineralised (typically after repeated cooking of high dairy content products), it may be necessary to occasionally follow a Caustak 30 with an acid clean, Nipac, Holphos or Scalit are convenient products, but they should not be mixed with Caustak 30.

Fryer Boil Out. Caustak 30 is used to boil-out oil fryers to remove the carbonised oil and product residues. Typical use strengths are 2% to 4% v/v. The fryer is typically boiled for 1 to 2 hours with the detergent.

Soak Applications. Caustak 30 is suitable for soak baths used for stainless steel items at strengths up to 4% v/v. Contact time should be 30 minutes, followed by rinsing with fresh water.

BENEFITS

- Low dilutions provide high causticity.
- Suitable for recirculation.
- Compatible with Adhol No.10.

TECHNICAL DATA

Appearance	Clear non-viscous liquid	
Odour	Ammoniacal	
Foam	No foam	
Specific Gravity at 20°C	1.33	
pH (1% solution at 20°C)	12.0 - 13.0	
Active Alkalinity	30.6 % w/w NaOH	(As supplied)
Chemical Oxygen Demand (COD)	3.5 g/L	(As supplied)
Phosphorous Content (P)	1 g/L	(As supplied)
Mercury[1]	0.065 mg/L	(max)
Cadmium	0.0065 mg/L	(max)
Storage Temperature Range	+5°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

Caustak 30 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

Caustak 30 consists mainly of inorganic components for which biodegradation assessment is not applicable. This product meets the requirements of the European Detergents Regulation No 648/2004. Not expected to Bioaccumulate.

TEST METHODS

CONDUCTIVITY

The specific conductivity at 20°C is approximately 20.6 mS / per 1% v/v.

A 2.5% v/v solution of Caustak 30 will produce approximately a 1% w/v Sodium Hydroxide solution with a conductivity at 20°C of approximately 51.5 mS.

DROPPER TEST (ALKALINE TEST KIT)

Reagent		Ref.	Equipment	Ref.
PA1	Indicator	SKS00800-01	5 ml Syringe	SKS00820
PA2	Acid Solution	SKS00800-02	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 – 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 0.095

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

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

SAFE HANDLING & STORAGE

Store in original container. 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

Caustak 30 is available in the following pack sizes:

30 Kg
250 Kg
1300 Kg
Bulk Tanker

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.