

DESCRIPTION

Holchlor is a chlorinated alkaline powder detergent used for boil-out and CIP cleaning. The combination of high alkalinity and chlorination gives excellent removal and suspension of fats, oils, protein, vegetable and fruit staining.

Holchlor is designed primarily for applications in Food Processing plants. However, it is also suitable for use in Dairies, Breweries, Beverage and other high care industries.

Holchlor contains Silicate Alkalinity providing corrosion protection to soft metals. However, care should be taken at high concentrations where pitting corrosion and some darkening could result from the chlorinated component.

USE INSTRUCTIONS

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

A 1% v/v solution gives approximate causticity equivalent to 0.24% w/v NaOH and 120 ppm available Chlorine.

Cleaning temperatures should be optimised during trials. However, for chlorinated detergents temperatures above 50°C are not recommended.

Holchlor 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, Holchlor is typically circulated for 20 – 30 minutes at 0.25% - 2% w/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 rinsing is approximately equal to that of the water.

Cooking Vessel Boil-Out. Holchlor is suitable for boil-out cleaning of cooking vessels. Holchlor should be dosed between 0.5% and 2% w/v dependent on the level of the soiling. Typical contact time (boil-out time) should be approximately 20 – 30 minutes. Where soil has become heavily mineralised (typically after repeated cooking of high dairy content products) it may be necessary to occasionally follow a Holchlor clean with an acid clean. Nipac, Holphos or Scalit are convenient products, but they should not be mixed with Holchlor.

Note: Care should be taken with Stainless Steel welds, repeated use of chlorinated products above 50°C can result in corrosion.

Tray and Rack Washing. Holchlor should be automatically dosed at between 0.25% and 2% v/v. Actual concentration values are dependent on the nature and level of the soiling and should be established through trials.

Holchlor has excellent soil handling properties, however it is recommended that gross soiling should be removed from items before they are passed through the washer.

When using Holchlor in Tray Wash applications it is advisable to ensure adequate ventilation in the work area.

Soak Applications. Holchlor is suitable for soak baths used for stainless steel items at strengths up to 2% v/v. After soaking, items should be rinsed in potable water. Before using Holchlor for soak applications, a full risk assessment should be carried out, adequate safeguards identified and PPE should be issued.

BENEFITS

- Chlorinated detergent.
- Low foaming.
- Powder product for simple dosing in small applications.



TECHNICAL DATA

Appearance	White / pale blue granular powder
Odour	Chlorine
Foam	Low foam
pH (1% solution)	11.0 - 12.0
Shelf Life	Minimum of 2 years under normal conditions Must be kept dry
Storage Temperature Range	-10°C to +40°C
Shelf Life	Minimum of 2 years under normal conditions
Holchem Classification	



PRODUCT COMPATIBILITY

Holchlor is safe for use on 304 and 316 Stainless Steel. Holchlor contains Silicate Alkalinity providing corrosion protection to soft metals. However, care should be taken at high concentrations where pitting corrosion and some darkening could result from the chlorinated component.

BIODEGRADABILITY

Holchlor is not expected to Bioaccumulate.

TEST METHODS

DROPPER TEST (ALKALINE TEST KIT)

Reagent	Ref.	Equipment	Ref.
PA1	SKS00800-01	5ml Syringe	SKS00820
PA2	SKS00800-02	Polycarbonate Test Jar	SKS00823

Step	Method
1	Using the syringe, transfer 2 ml of the test solution into the test jar.
2	Dilute with clean water to about 20 ml and add one crystal of Sodium Thiosulphate, shake to dissolve.
3	Add 2-3 drops of reagent PA1. The solution should turn red.
4	Add reagent PA2 dropwise, shaking or swirling the bottle after each addition to mix properly, until solution turns clear.
5	% v/v Product = (No. of drops of PA2) x 0.13 % w/v NaOH = (No. of drops of PA2) x 0.032

SAFE HANDLING & STORAGE

Holchlor should be stored in the original container. Keep containers tightly closed and in a dry area. Avoid contact with strong acids.

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

Holchlor is available in the following pack sizes:

25 Kg

GENERAL

For accident, emergency and health and 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.

