

DESCRIPTION

Holsolve is a low alkalinity solvent free detergent containing vegetable derived soaps. It is suitable for application by foam, pressure wash, soak and hand. To give a dense stable foam, Holsolve ideally requires application by air induced foamers; however, high pressure induced foamers can be used. It is very effective in wetting and emulsification of soils and is easily rinsed away leaving no streaks or smears. For hand use, Holsolve produces high suds.

Holsolve contains sequestering and inhibiting agents to control scale formation, provide soft metal safety and improve detergency in hard water areas.

Holsolve is specially formulated for the food processing and allied industries. It is effective on a wide range of soil types and is safe for use on most materials of construction and is inhibited to prevent corrosion on soft metals.

USE INSTRUCTIONS

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

Cleaning temperatures should be optimised during trials.

Holsolve 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.

Foam Cleaning. Before applying foam detergents it is advisable to remove gross debris then pre-rinse surfaces with water. In typical applications Holsolve is then applied at typically 3% to 5% v/v. However, if Holsolve is used at low concentrations, foam quality will be very poor leading to short contact times. Once applied Holsolve should be left on surfaces for approximately 20 minutes before being rinsed away with water. For areas of very heavy soiling, gentle padding of the foam prior to rinsing may be necessary.

Holsolve should only be used after gross debris has been removed from the area to be cleaned.


Hand Application. In conjunction with soak baths or utensil sinks, Holsolve can be used for the hand padding of small items. In use concentrations are lower than for foam cleaning and are typically in the region of 0.5% to 2% v/v. The use of hot water will aid the removal of soil, but it is not advisable to exceed 45°C.

Soak Application. Holsolve can be used for soak cleaning of equipment parts, utensils and tools. It should be diluted to 0.5% to 1% v/v at 45 – 50°C.

BENEFITS

- Solvent free and contains vegetable derived soaps for low environmental impact.
- Soft metal safe.
- Suitable for use in hard or soft water areas.
- Good soil removal and suspension.
- Streak free upon rinsing.

TECHNICAL DATA

Appearance	Green non-viscous liquid
Odour	Detergent
Foam	High stable foam
Specific Gravity at 20°C	1.04
pH (1% solution at 20°C)	11.0 - 12.0
Chemical Oxygen Demand (COD)	87.3 g/L (as supplied)
Nitrogen Content (N)	2.02 g/L (as supplied)
Mercury	0.003 mg/L (max)
Cadmium	0.0003 mg/L (max)
Storage Temperature Range	- 5°C to + 40°C
Shelf Life	Minimum of 2 years under normal conditions
Holchem Classification	

PRODUCT COMPATIBILITY

Holsolve, in contact with certain plastics can cause stress corrosion cracking, e.g. PET, Polycarbonate, Bakerlite. Holsolve is safe for use on 304 and 316 Stainless Steel. At recommended use strengths it is safe to use on soft metals such as Aluminium, Copper, Zinc and their alloys.

BIODEGRADABILITY

The surfactant(s) used in this preparation complies (comply) with the biodegradability criteria as laid down in the European Detergents Regulation No 648/2004. Not expected to Bioaccumulate.

TEST METHODS

DROPPER TEST (ALKALINE TEST KIT)

Reagent	Ref.	Equipment	Ref.
PA1	SKS00800-01	5 ml Syringe	SKS00820
PA2	SKS00800-02	20 ml Syringe	SKS00822
		Polycarbonate Test Jar	SKS00823

Step Method

- Using the syringe, transfer 20 ml of the test solution into the test jar.
- Dilute with water to about 20 ml.
- Add 2 - 3 drops of reagent PA1, shake or swirl to mix. The test solution should turn red.
- 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 0.16
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

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

Holsolve is available in the following pack sizes:

4 x 5 Kg

25 Kg

200 Kg

1000 Kg

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.