



## DESCRIPTION

Alkeg Acid is a low foaming acidic detergent designed for internal keg washing of Aluminium or Stainless Steel kegs used in the Brewing industry. It provides good wetting, suspension and dispersion properties.

## USE INSTRUCTIONS

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

Cleaning temperatures should be optimised during trials.

Alkeg Acid is not suitable for direct beer, beverage or 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.


**Internal Keg Washing.** Alkeg Acid is typically used at between 0.5% and 1% v/v, at 40 – 80°C, with a contact time of 10 – 30 seconds. Following the detergent cycle, the kegs should be rinsed thoroughly with clean water.

Alkeg Acid can be dosed into the detergent tank of the keg washer at fixed dilution by a proportional dosing pump. It can also be automatically controlled using a conductivity controller and dosing pump. A temperature compensated conductivity controller should be used.

## BENEFITS

- Safe for use on Aluminium kegs.
- Suitable for use in hard or soft water areas.

## TECHNICAL DATA

Appearance	Colourless non-viscous liquid
Odour	No characteristic odour
Foam	No foam
Specific Gravity at 20°C	1.05
pH (1% solution at 20°C)	2.0 - 3.0
Chemical Oxygen Demand (COD)	9.0 g/L (as supplied)
Nitrogen Content (N)	0.045mg/L (as supplied)
Phosphorous Content (P)	28 g/L (as supplied)
Mercury	0.0011 mg/L (max)
Cadmium	0.226 mg/L (max)
Storage Temperature Range	-5°C to +40°C
Shelf Life	Minimum of 2 years under normal conditions
Holchem Classification	

## PRODUCT COMPATIBILITY

Alkeg Acid is safe for use on all common materials of construction, but contact with polycarbonates should be avoided.

**CAUTION:** Contact with chlorinated products will release Toxic Chlorine Gas.



### BIODEGRADABILITY

This product consists mainly of inorganic components for which biodegradation assessment is not applicable. The product meets the requirement of the European Detergents Regulation No 648/2004 and is not expected to Bioaccumulate.

### TEST METHODS

#### CONDUCTIVITY

The specific conductivity at 20°C is approximately 2.25 mS / per 1% v/v.

#### DROPPER TEST (ACID TEST KIT)

Reagent	Ref.	Equipment	Ref.
PA1 Indicator	SKS00800-01	5 ml Syringe	SKS00820
ACD3 Alkali Solution	SKS00801-01	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 remain colourless.
- 4 Add ACD3 dropwise, shaking or swirling the bottle after each addition to mix properly until the solution turns pink. Note the number of drops of ACD3.
- 5 **% v/v Product = ( No. of drops of ACD3 ) x 0.25**

### SAFE HANDLING & STORAGE

Store away from chlorinated products. Keep 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

Alkeg Acid is available in the following pack sizes:

- 25 Kg
- 200 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.