

## DESCRIPTION

Adhol No. 10 is an additive used for blending with Caustic Soda solutions. It is specifically designed to boost the detergency of not readily saponified or hydrolysed soils by supplying a source of active oxygen.

Adhol No. 10 is designed primarily for applications in Breweries, Beverage, Dairies and Food Processing plants; it is also suitable for use in other high care industries.

## USE INSTRUCTIONS

In use concentrations of Adhol No. 10 are application dependent and should be established during trials. For occasional deep cleans, concentrations will typically be between one third to one half of the caustic v/v concentration. If Adhol No. 10 is used for routine cleaning lower concentrations should be used, typically between one tenth to one quarter of the caustic v/v concentration. Maximum concentrations will typically be 0.5% v/v.

Cleaning temperatures should be optimised during trials, but for maximum benefit must be between 70 – 80°C. Temperatures should not be allowed to exceed 85 – 90°C, at this level the evolution of oxygen will be very rapid and the detergency benefit will be lost.

It is important to note that long term poor control of concentration through over dosing, poor control of temperature, or local hot spots could result in discolouration of Stainless Steel.

Adhol No. 10 is not designed 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.

**General Use.** The addition of Adhol No. 10 to caustic causes the evolution of oxygen bubbles, these have a scouring and oxidising effect on soils.

Although Adhol No. 10 can be added at any point in a CIP or boil-out clean, it is better to run for approximately one third of the CIP cycle with caustic before adding Adhol No. 10. A second additive can then be introduced two thirds of the way through the clean. Using this split dosing technique will reduce the potential for discolouration of Stainless Steel surfaces. Alternatively the dose should be delivered slowly over the entire cleaning cycle.


Because Adhol No. 10 evolves oxygen bubbles it is essential to ensure that the circulation loop is vented, or, if fitted, pressure relief valves are operating.

In some applications excess foam may be generated, in these circumstances Adhol No. 10 can be used in conjunction with Defoam.

## BENEFITS

- Adjustable rate of addition to meet requirements.
- Cost effective.
- Boosts performance of caustic solutions.

**TECHNICAL DATA**

Appearance	Colourless non-viscous liquid
Odour	Pungent
Specific Gravity at 20°C	1.13
pH (1% solution at 20°C)	3.0 – 4.0
Storage Temperature Range	-10°C to +30°C
Shelf Life	Minimum of 12 months under normal conditions
Holchem Classification	

**PRODUCT COMPATIBILITY**

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

When used at recommended temperatures and concentrations, Adhol No. 10 is safe for use on 304 and 316 Stainless Steel. Use in combination with caustic on Aluminium, Copper, Zinc and their alloys must be avoided; this will result in the simultaneous production of Hydrogen and Oxygen Gases. Avoid contact with combustible material.

**BIODEGRADABILITY**

Adhol No. 10 breaks down completely to water and oxygen.

**SAFE HANDLING & STORAGE**

Keep in original container. Keep containers tightly closed. Store away from chlorinated and other oxidising or reducing materials.

COSHH places a duty on employers to assess and control the risks of using hazardous substances. The Safety Data Sheet provides information about the product to assist with this assessment, but other relevant legislation or industry specific guidelines should also be considered.

**PACKS**

Adhol No. 10 is available in the following pack sizes:

30 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.

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.