ADDIP LC825

Heavy Duty, Alkaline Degreaser, Decarboniser and Deruster

ADDIP LC825 is a liquid, premium grade, heavy duty alkaline, hot tank degreaser, decarboniser, and deruster. It has applications in the food, metal working, and equipment reconditioning industries.

ADDIP LC825 will remove oils, fats, greases, carbon, paint, rust and scale in one operation without attack on copper or ferrous base metals.

ADDIP LC825 is DESIGNED:

- To rapidly wet, penetrate, degrade and suspend most fats, oils, greases, burnt on carbon and proteinaceous soils, commonly found on metal surfaces in the food, transport, engine reconditioning and engineering industries.

- To be corrosion safe on copper and ferrous metals - the use of **ADDIP LC825** to derust and descale under alkaline conditions without attack on the base metal. This property is particularly advantageous in the engine reconditioning and engineering industries where it is important to maintain original machining tolerances.

- To rapidly penetrate, swell and remove organic surface coatings, e.g. polyurethane, two pack epoxies, acrylics, silicone, varnish and powder coatings.

- To provide excellent tank life - **ADDIP LC825** contains special soil suspending agents which results in an increased tolerance of contaminants and increased tank life.

- To reduce the number of tanks required in a process line - **ADDIP LC825** performs the function of degreaser and deruster in the one tank.

- To maintain its high-performance characteristics when used in hard water.

- To contain only biodegradable surfactants.

CHEMICAL AND PHYSICAL PROPERTIES

Appearance:	Clear, low viscosity liquid
Flash Point:	Non-flammable
pH (1% solution):	>12
Foam Characteristics:	Low to mediumr
Odour:	Mild
Specific Gravity:	1.3

DIRECTIONS FOR USE

The areas in which **ADDIP LC825** can be used are:

- The degreasing and derusting of hooks and slides in the red meat and pork industry.

- The cleaning of vats, tanks and lines in the confectionary industry.

- The alkaline derusting and/or descaling of metals in the engineering industry.

- The degreasing, derusting and decarbonising of engine, brake and clutch components in the automotive industry.

- The cleaning of fryers in the food processing industry.

ADDIP LC825 is primarily designed for use in hot soak tanks but it is also suitable for use in C.I.P. situations.

Hot Soak Tank Applications:

Concentration	5 - 20%
Temperature	80 - 100°C.
Time	30 seconds to 6 hours.

C.I.P. Applications:

Concentration	1 - 5%
Temperature	Ambient to 85°C.
Time	15 minutes to 2 hours.

SUBSEQUENT PROCESSING

When used in soak tank operations (and dependent on the degree of corrosion present on components) it may be advantageous to acid polish (pickle) with **ADBRITE LA827** before applying a temporary rust preventative from the **ADCOTE LN828** range. A typical process for the treatment of ferrous metals which have mild to heavy corrosion or scale build up would be:

PRODUCT	CONCENTRATION	TIME	TEMPERATURE
ADCIP LC825	4%-10% v/v	2 minutes	85°C
OVERFLOWING RINSE	-	15 seconds	85°C
ADBRITE LA827*	4%-10% v/v	2 minutes	Ambient
OVERFLOWING RINSE*	-	15 seconds	Ambient
ADCOTE LN828	10% v/v	1 minute	85°C

* *This step may be unnecessary in the case of mild corrosion.*

Rinse all food contacting surfaces after use.

EFFECT ON MATERIALS OF CONSTRUCTION

Advance Chemicals recommend that the tank be constructed from mild steel or stainless steel with stainless steel heating coils.

CAUTION

ADDIP LC825 is suitable for use on ferrous metals and copper only. Do not use **ADDIP LC825** or its solutions on aluminium or zinc alloys (including brass and galvanised iron). These metals are attacked by caustic solutions.

SAFETY PRECAUTIONS

Warning - This product is caustic. Avoid contact with the skin and eyes. Avoid breathing spray mist. Wear gloves and face shield when using this product or its solutions.