

COLD DIP LS846

Cold Tank Degreaser, Decarboniser and Paint Stripper

COLD DIP LS846 is a 100% active, solvent based cold tank degreaser, decarboniser and paint stripper. It will rapidly and completely remove carbonised oil, and a broad range of paints and greases at ambient temperatures.

COLD DIP LS846 finds applications in engine reconditioners, automotive workshops, organic surface coating removal and electrical and engineering workshops.

COLD DIP LS846 is DESIGNED:

- To rapidly wet, penetrate, degrade and remove heavy mineral oils, greases and burnt on carbonised oil deposits from metal surfaces.
- To be corrosion safe on most common metals including aluminium and its alloys. This property is particularly advantageous in the engine reconditioning and engineering industries where it is important to maintain original matching tolerances.
- To rapidly penetrate, swell and remove organic surface coatings, e.g. polyurethane, two pack epoxies, acrylics, silicone, varnish and powder coatings.
- To be economical in use. **COLD DIP LS846** is 100% active and it contains no water. The user makes up their own water seal (sometimes referred to as a chemical seal) when setting up in the cold tank.
- To tolerate high soil loadings thereby providing excellent tank life.
- To be used at ambient temperatures, eliminating the need for tank heater installations and the associated running costs.
- To be non flammable.

CHEMICAL AND PHYSICAL PROPERTIES

Appearance: Dark amber/brown liquid

Flash Point: Non-flammable

Specific Gravity: 1.3

Odour: Phenolic

DIRECTIONS FOR USE

How much is needed?

A water seal or tightly sealing lid must be used to prevent loss of solvent.

ADVANCE CHEMICALS will assist customers with the calculation of the amount of **COLD DIP LS846** and water required.

The following example has been included to illustrate the process.

*A cold tank with dimensions 900mm long * 400mm wide * 900mm deep. Estimation of the largest part placed in this tank is about 25% (1/4) of the size of the tank.*

1. Calculate the Tank Volume - convert all measurements to metres.

Tank volume = $0.9 * 0.4 * 0.9 = 0.324$ cubic metres

One cubic metre = 1000 litres

Tank volume in litres = $0.324 * 1000 = 324$ litres

2. Calculate the desired volume of liquid **COLD DIP LS846** (and water) in tank.

To do this, subtract the estimated size in percentage terms of the biggest item you are likely to place in the bath. This estimate only needs to be rough.

Desired volume in litres = Total Tank Volume - [Total Tank Volume x (% of largest item + 10%)/100]

In this example, it was estimated the biggest part placed in the tank is 25% or 1/4 the size (or volume) of the tank.

The desired volume is therefore:

$324 - [324 * (25 + 10)/100] = 211$ litres.

3. Calculate the amount of **COLD DIP LS846** required.

Assume the remaining space for **COLD DIP LS846**

In this example's case there would be 75% free liquid space (25% maximum for parts)

$211 * 0.75 = 158$ litres.

4. Calculate the amount of water required to form the water seal.

Amount in litres of water required = desired volume - amount of **COLD DIP LS846**.

Example: this would be $211 - 158 = 53$ litres.

TANK CONSTRUCTION

COLD DIP LS846 should be used in a steel tank with a lid capable of sealing in the solvent phase. The tank should have a grid platform in its base so that work placed within the tank will not sit in the sludge. For more detailed advice on tank construction consult your ADVANCE CHEMICALS representative.

OPERATING TEMPERATURE

COLD DIP LS846 works between 5 - 35°C, however bath efficiency increases with temperature. Care should be taken to avoid allowing the bath temperature to exceed 35°C as excessive solvent loss may occur. ADVANCE CHEMICALS recommend that the bath temperature be maintained between 20 - 25°C for optimum results.

To ensure long bath life items to be placed in the bath should be pre-cleaned to remove excess oil and grease before immersion in **COLD DIP LS846** bath. Methods of pre-cleaning include spray cleaning, pressure washing and light degreasing.

Fully immerse items in the solvent or lower phase of the **COLD DIP LS846** bath. The bath should not be heated or agitated. Routinely inspect the parts until they are free of grease/carbon and paint. Time between inspections should not exceed 4 hours.

Rinse the parts with a high pressure water jet.

TO MAXIMISE THE LIFE OF THE COLD DIP LS846 BATH

- Pre-clean parts where possible.
- Maintain volume of water seal (upper layer) at 20% by adding water lost through drag out and evaporation.
- Do not agitate the **COLD DIP LS846** bath.
- Lower and raise items to be decarbonised/stripped slowly into and out of the bath.\
- Replenish losses of solvent (lower layer) with additions of neat **COLD DIP LS846**.

WARNING: To avoid possible corrosion of items constructed from sensitive metals all work placed in the **COLD DIP LS846** bath must be completely submerged in the lower (solvent) layer of the bath.

SAFETY PRECAUTIONS

WARNING - Avoid contact with skin and eyes and avoid breathing its vapour.

Open cautiously especially in hot weather. Keep face away while unscrewing cap.

Store in a cool place.