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TECHNICAL DATA BULLETIN

S.D.C.

SOLVENT BASED DEGREASING CONCENTRATE FOR COLD TANK AND SPRAY APPLICATIONS

INTRODUCTION

Most de-greasing of metal components has in the past been carried out by means of either very alkaline products used in hot solutions into which parts are immersed, or low flash point petroleum solvents for cold bath and spray applications. Both of these methods have serious shortcomings.

Alkaline products are hazardous to handle and require great care in use; they are inconvenient to use since cleaning solutions require to be heated. While alkaline products have long had some cost advantages, the rapidly escalating costs of heating are quickly eroding this advantage.

While generally very effective as degreasers, the low flash point solvents are extremely hazardous as they are highly flammable and especially when used in spray applications, potentially explosive. Compared with alkaline products, they are expensive to use. They are difficult to rinse as they are not miscible with water.

S.D.C. was developed to provide a product with the quick acting properties of solvent based products without their disadvantages combined with the lower usage cost of the alkaline types of cleaners.

DESCRIPTION

S.D.C. is a non-flammable, non explosive combination of solvents and surfactants. Mixed with power kerosene distillate or mineral turpentine, it forms a neutral and highly efficient de-greasing solution for cleaning metal and other surfaces. It is harmless to all metals, good quality paintwork, plastics and textiles. Cold tank cleaning with S.D.C. is fast and convenient - there is no waiting for solution to be heated. It is safe and effective for spray or brush application for cleaning oil and grease from machinery, engines and other equipment.

Cleaning solutions are readily miscible with water and consequently are easily and completely rinsed from cleaned surfaces by means of water jet or with a damp cloth. The likelihood of accidents is reduced by its capacity to leave film-free surfaces on tiled and concrete floors, catwalk and gratings. In marine applications such as de-greasing of engine rooms and cleaning of holds, decks and bilges, where the supply of fresh water is limited, S.D.C. possesses the advantage that is as readily miscible with sea water as it is with fresh water.

INDUSTRIES USED IN

- Aircraft engine shops
- Automotive repair shops
- Engineering machine shops
- Office machines repairers
- Powerhouse engine rooms
- Railway workshops
- Shipping lines
- Transport operators

FEATURES

Miscible with fresh or salt water
Non corrosive to metals
Requires no heating
Safe to use

PRODUCT USE**1. Cold Tank Cleaning**

A mild steel tank should be provided, of a size appropriate to the components to be cleaned. The tank should be fitted with a sludge grid on which components can be rested within the cleaning solution, allowing adequate space between the grid and the bottom of the tank for sludge to settle. A drain cock should be fitted at the lowest point on the tank. The tank should be charged with a solution prepared by diluting one part of S.D.C. in from 6 to 10 parts of power kerosene, distillate or mineral turpentine, depending on the condition of the parts to be cleaned.

Allow parts to soak until the contamination is penetrated and loosened. Parts can then be removed and hosed off with a water jet. For typewriter and adding machine components or any parts where surfaces are not to be immediately oiled or painted and may be subject to rusting, surfaces should not be washed with water but may be dried off with a jet of compressed air. Where this is not practicable, parts may still be washed in water and then immersed in a bath of Dri-N-Lube de-watering fluid, which removes the rinse water and imparts a thin protective oil film.

When the action of the bath becomes noticeably slower, allow the bath to settle and drain approximately 20% of the cleaning solution to waste. Top the bath up to normal working capacity with fresh solution at usual working strength. This procedure may be repeated several times, but eventually it will be found to be uneconomical to add further fresh solution to the contaminated bath. At this point the bath should be dumped and re-charged.

2. BRUSH OR SPRAY APPLICATION

Dilute one part of S.D.C. with from 6 to 10 parts of power kerosene, distillate or mineral turpentine. Brush or spray this solution on to the surfaces to be cleaned and allow time for the solution to penetrate and loosen the contamination. Finish off by hosing down with a water jet or, where this is impracticable, wipe off the loosened soils with a damp cloth.

PACKAGING

Packed in 25 litre SCP and 200 litre MSD. Non hazardous.

PRECAUTIONS

Being an efficient de-greasing compound, S.D.C. will de-fat the skin and this could result in a skin rash. Operators should wear rubber gloves when cleaning by hand.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting, give a glass of water. If skin contact occurs, wash affected area thoroughly.

WARRANTY

Any information given is, to the best of our knowledge, the best currently available, with respect to our products and their use, but is subject to revision as additional knowledge and experience is gained. It is offered as a guideline for experimentation but is neither an express nor implied warranty of merchantability of the described product or of its fitness for any particular purpose. Confirming tests are recommended. Since the conditions of use are beyond our control, we make no guarantee of results and assume no obligation or liability whatsoever in connection with this information. This information is not a license to operate under, nor is it intended to suggest infringement of any patent. We guarantee a uniform quality standard for this product.

18th January, 1994

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