

# **NEOLITH**

## **77**

### **A SOLVENT BASED, ECONOMICAL, OIL STAIN DEGREASANT AND CLEANING FLUID**

#### **WHAT THE PRODUCT DOES.**

It facilitates the removal of oil, grease and grime from extremely dirty surfaces such as those found in engineering shops, factories, garage floors and for cleaning oil spillages off masonry and paving.

Being formulated of blended organic solvents with excellent penetrating and oil dissolving powders, it mixes with oils and grease and the detergents/emulsifying agents in NEOLITH 77 assist in removing this debris when subsequently pressure water jetted.

It is non corrosive and suitable for the speedy and efficient cleaning of industrial plant and machinery and for degreasing machine tools and equipment.

It is highly efficient for cleaning stains from concrete, stone, wood and metals but must not be used on ASPHALT or BITUMINOUS floors.

Working them in NEOLITH 77 immediately after use and then rinsing out afterwards with water can clean brushes and rollers used in oil paint.

#### **PRODUCT DESCRIPTION**

It is a colourless liquid which is a blend of organic solvents with good penetrating and oil/grease dissolving properties, blended with detergents and emulsifying agents.

It has a flashpoint of approximately 40°C (PMCC) and is classified as a flammable liquid.

If a large amount of wash down debris is likely to be present then the effluent may need containment, or disposal into foul water drains.

#### **HANDLING AND STORAGE**

The solvents in this product are flammable and containers should be kept in a cool, safe fire approved store and a suitable trained person(s) detailed for security in depots, in transit and when on sites. The caps should be firmly closed when not in use.

Contaminated cloth or soil or treated masonry should be treated as potentially flammable until the solvent has dried off. Use foam, carbon dioxide or dry powder fire extinguishers to extinguish fires.

Spillages must be dealt with immediately, only competent persons should handle this product. No naked flames or hot surfaces or smoking should be allowed near the product until it has dried.

## **PRE CLEANING RECOMMENDATIONS**

Thick layers of dirt and grease should first be removed with a scraper. Being composed of non-aqueous organic solvents it functions best when applied onto surfaces that are not water wetted. If the surface is water wet or very damp the use of NEOLITH 275 should be considered as an alternative\*

On newly spilled oil the quicker the NEOLITH 77 can be applied the better before the oil stain soaks deep into the masonry pores.

\*Where this asterisk appears users should consult our document GENERAL THECHQUES AND MATERIALS FOR THE CLEANING OF MASONRY USING NEOLITH CHEMICALS for further details and information.

## **HOW TO USE THE PRODUCT**

After removal of any surface dirty grease with a scraper, the oil/grease stained area should be liberally coated with NEOLITH 77, which should be well worked into the stain area using a stiff bristled brush. The coated masonry should be left for about 5-10 minutes to penetrate and dissolve the oils and greases and then pressure water jetted off. Hot water can be advantageous if available. For speed and economy a low-pressure air spray can be used to apply the NEOLITH 77 if due care with respect to the flammable nature of the liquid is observed, but brush application is more efficient and preferred.

Tools and smaller items may be immersed in a tray of the product and either left for a suitable time or brushed over to speed the operation. If suspended for a few minutes to drain down the items may then be water washed, preferably in running water.

Hot tools or equipment must not be coated or immersed in NEOLITH 77 because of the fire hazard.

Good ventilation is necessary to remove the fumes (TLV 8 hours 200 ppm) and to reduce fire dangers.

The product must not be used near naked flames or hot surfaces and no smoking should be allowed.

## **COVERAGE**

Approximately 3-8m<sup>2</sup>/l. Depending upon the porosity of the material being treated. The product is intended to be used as supplied and not diluted. Storage life in excess of 2 years.

## **MATERIALS TO BE AVOIDED**

The product will easily wash off all materials except ASPHALT and BITUMINOUS MATERIALS, which will be softened and must be avoided. Whilst the product emulsifies with water its efficiency is much reduced if applied onto water wet or water damp surfaces.

## **TEST PATCH**

It is often not practicable to undertake test patch trials as old oil and grease stains are so variable in nature. After using NEOLITH 77 the surface of the masonry will be clean and free from grease and oil. Old oil stains deep in the surface may re-appear and require re-processing. Each time the area is treated the stain will lessen. There is no method more efficient as this solvent mixture will remove all that it can reach.

## **PROTECTION OF OPERATIVES**

Plastic protective clothing, gloves, feet and eye protection are advisable. The dangers to operatives are similar to those applicable when painting and good ventilation is necessary. The quantity of fumes in the air should not be greater than 200 ppm. No one should have access or pass beneath areas where work is in progress. No smoking, naked flames or hot surfaces should be near the area. Spillages should be dealt with immediately.

## **FIRST AID ADVICE**

Splashes on the skin or clothing should be washed off immediately with soapy water. Splashes in the eyes should be washed with clean water. If irritation of the eyes or skin persists seek medical help. The product would be toxic if swallowed.

## **ECOLOGY**

The organic solvents in the formulation will evaporate into the air given a few hours of time but the detergent content is biodegradable when mixed with water. When water jetted the organic solvents emulsify and so will the oil/grease debris they carry, to form a wash down debris best suited to disposal into foul water drains.

Contractors should consult local authorities about disposal of effluents. Any plants and bushes near the area where the product is being applied should be covered with plastic sheets and then washed down with clean water on completion of the work.

## **DISPOSAL OF CONTAINERS**

When empty the containers should be filled with water and then emptied in an approved place before disposing of them.