



## TECHNICAL DATA SHEETS

### HEAVY DUTY DEGREASANT

Heavy Duty Degreasant is a special formulation for the breaking down and removal of black carbon dirt, oils and grease from any masonry surface. It will also attack paint films and can be used for the quicker degreasant preparation of masonry so that acid based cleaners can work more efficiently and give even better cleaning results. When used as a degreasant followed by the appropriate acid agent, a more rapid and economical cleaning can be achieved. When used on masonry the full colour of the cleaned masonry surface is retained. The product is also a slow acting paint stripper.

#### Product description

Permashield Heavy Duty Degreasant is a viscous, milky, aqueous formulation containing sodium hydroxide. It is corrosive, non-flammable and when adequately diluted the organic materials present are biodegradable. It has been in use for over 20 years. The viscosity helps reduce absorption into the re-wetted masonry.

#### Materials to be avoided

Aluminium and zinc (galvanised metals) and lead. Painted surfaces and polished wood need to be protected.

#### Ecology

When diluted the organic ingredients present are all biodegradable. Wash any splashes off plants or vegetation immediately or protect them with plastic sheeting. By using a water jetting process, wash down debris will not harm fish, but authorities should be consulted about disposal into drains and paint residue debris may need to be contained for disposal.

#### Coverage

Approximately 3-4 sq m/lit

#### How to use the product

A test patch trial should be used to establish the full method and contact times necessary to achieve a satisfactory result. The surface should be pre-wetted and left to drain down. Using a nylon brush, work the product over the pre-wetted surface and leave a visible coating covering the masonry. Normal contact time is one hour up to a maximum of 3 hours for any one application. Application may be repeated after jetting off if it is considered necessary. Jetting off preferably with hot water (but cold will suffice) requires 3 minutes/sq m of surface. A final treatment with an acid based cleaner if necessary or a neutralisation agent (Permashield Neutraliser) should then follow. For the removal of paint from masonry the product may be applied onto dry paint surface. The product is slow acting on thick paint films and repeated treatments are often necessary unless more rapid agents (eg Permashield Paint Stripper) have been applied first to soften and remove the bulk of the paint surface.

#### Protection of Operative

Chemical protection suits are needed along with PVC gauntlet gloves, face shield, head cover and suitable footwear. A bucket of clean water for emergency use should be at hand. Nobody must be allowed to pass or work near or underneath cleaning areas. Spillages must be washed down immediately. At the end of the work wash down equipment, scaffolding and boards. Good ventilation is essential and some products may need special consideration when working behind close sheeted scaffolding or in confined areas (eg Permashield Paint Stripper). All persons should be familiar with required safety precautions and correct method of handling the product.

# HEAVY DUTY DEGREASANT

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## Safe Handling

Containers must be stored in a safe place with the caps secured. A trained responsible person should be nominated to ensure security in depots, in transit and when on sites. Only competent persons should handle this product. Spillages must be dealt with immediately.

## First aid advice

Accidental splashes on the skin or clothing must be washed off immediately with fresh, clean water. Contaminated clothing should be removed. Splashes on the Skin: Wash immediately with plenty of water.

Solution 1 part vinegar to 3 parts clean water can often be found beneficial to neutralise the alkalinity of the skin and after using this mixture the skin should again be washed well with clean water.

Splashes in the Eyes: Must be immediately irrigated with plenty of clean water. An eyewash of dilute basic acid may be used. In all cases of extensive burns medical help should be urgently obtained.

## Health & Safety Information

When empty, containers should be filled with water and then emptied in an approved manner and then disposed of.

**COSHH Data:** Permashield HDD

**Hazardous ingredients:** Contains Sodium Hydroxide UN 18424 (less than 25%)

**Physical Data:** Viscous, milky, aqueous fluid

**Solubility:** Totally water soluble

**S.G :** Approx. 1.23 to 1.29

**pH:** Less than 1

**Flammability:** Non flammable

**pH:** Greater than 13

**Hazard Classification:** Corrosive

**Handling precautions:** Only experienced trained persons should use this product. Wear full hand, face, foot and body protection. Have clean water to hand for emergency use. Store containers in a safe place and ensure caps are closed. Dilution for spray application is not recommended.

### First Aid

– Skin: Wash with plenty of warm water and seek medical help

– Eyes: Irrigate with clean water and seek medical help

– Ingestion: Drink plenty of water and seek medical help

**Spillages:** Either dilute adequately or absorb into soil and dispose of the debris in an approved manner

**Disposal:** Ensure adequate dilution before discharge to drains.

*Disclaimer: The information given in this Data Sheet is for guidance only and is correct to the best of our knowledge. Any person using these products does so at their own risk and we cannot accept liability for the performance of the product, nor for any loss or damage. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or quality specification.*