

Osrel Expel is a specially formulated alternative to neat hydrochloric acid. It is designed to be used to provide an etched surface to concrete and can be used for concrete cleaning and removal applications. It also dramatically reduces the hazards associated with concentrated acids, such as burns to the user, and reduces the risk of environmental damage.

**Application**

Osrel Expel is ideal for creating an acid-etched finish to precast concrete through immersion. It is very effective in removing concrete deposits from vehicles and concrete mixing equipment.

**Benefits**

- Classified only as “irritant”.
- Replaces dangerous acids with user-friendly alternative.
- Non-fuming.
- Out-performs acids in speed of action.

**Standards**

Christeyns’ products are produced in accordance with the ISO 9001:2000 Quality Management Standard and the ISO 14001 Environmental Management Standard.

**Instructions for Use**

Osrel Expel can be used to produce an etched finish to concrete. However the depth of etch depends upon the quality of the concrete, the concentration of the Osrel Expel and the length of time in immersion. The user can determine by trials the suitable length of time in immersion to provide the appropriate etch depth.

Osrel Expel should always be added to the water already in the tank. Note that Osrel Expel is safe with all metals except zinc and aluminium.

For regular use as a light cement dust or deposit remover from trucks and other production plant, OSREL EXPEL should be used in a dilution rate of approximately 4 or 5 parts water to one part Osrel Expel. The solution is best applied with a brush to provide a more concentrated point of attack on the concrete deposits. The strength of the solution may be



varied dependant on the soil-loading and can safely be used up to 1-1 with water for very stubborn deposits. After leaving Osrel Expel on the soil for the appropriate time, it should then be vigorously brushed away using a stiff broom with water.

Note that the cleaning solution will gradually accumulate contaminants which will interfere with the performance. In order to prolong the performance life, it is recommended that a proportion be regularly discarded and strength maintained by necessary additions of Osrel Expel.

### Typical Properties

#### Appearance

Light straw coloured liquid.

#### Specific Gravity

ca. 1.13

#### Flash Point:

Non-flammable

#### Chemical Base:

Blend of hydrochloric and citric acids with specially selected surface active agents.

#### Storage

Osrel Expel should be stored at a temperature of 5-30°C.

Osrel Expel has a shelf-life of at least 6 months when stored in its original unopened containers. Always re-seal container after use.

#### Health & Safety

Refer to the Material Safety Data Sheet for Osrel Expel for full details.

Osrel Expel is corrosive towards some metals and is considered "corrosive" for transport only. For Health & Safety it is considered only as "irritant".

#### Cleaning and Disposal

Dilute with water if required. Neutralisation may be done using soda ash or similar material.

Users should contact their local water authority to ascertain the requirements for disposing of this type of material. In its normal use as a concrete etcher or cleaner, little waste is generated. Residues will be washed off with water.

If disposal of a quantity of the product concentrate is required, the services of a suitable water disposal contractor should be used. Either wash away to effluent treatment with water, or absorb into a neutral medium such as sand, earth or granules and bag-off for disposal.

#### Packaging

Osrel Expel can be supplied in:

- 25 & 200 litre drums
- 1000 litre IBCs

#### Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

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