

## ENVIRONMENTALLY FRIENDLY FORMWORK RELEASE AGENT

### DESCRIPTION

Ecolease uses the latest water-soluble polymer technology to produce a stable emulsion of sprayable consistency.

### ADVANTAGES

- Environmentally friendly product with low VOC content
- Odour free, low viscosity and readily biodegradable
- Non-staining, suitable for use with coloured, white or standard OPC
- Produces high quality surface finish
- Minimises form cleaning to extend formwork life
- Cost effective compared to oil based mould release agents

### SPECIFICATION

<b>Colour:</b>	White
<b>Coverage:</b>	30-50 sq meters per litre
<b>Packaging:</b>	210 litre drum, 25 litre bottle
<b>Storage:</b>	Keep container sealed after use. Protect from frost and freezing conditions
<b>Shelf Life:</b>	1 year in sealed container. Use within 3 months of opening

### USES

Highly efficient release agent for general in-situ construction.

### APPLICATION

1. Prepare formwork, seal joints with formwork tape.
2. Apply thinly by spray, brush or roller prior to each concrete pour at a rate of up to 50 square metres per litre. BCA reports state that excessive application of concrete release agents is detrimental so avoid over-application.
3. Application should be over a minimum of 1 hour before placing concrete to allow the excess water to evaporate and the release film to be properly established. Until this stage is reached protect from rain.
4. On vertical forms remove any excess material accumulated at the bottom.
5. For porous formwork or when temperatures are below 5°C use alternative Inform release agents.



### QUALITY ASSURANCE

Products are manufactured under quality assured schemes.

Inform UK Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Inform UK Ltd Terms and Conditions of Sale, copies of which are available on request. Inform UK Ltd endeavours to ensure that the above data and any further advice is correct, however Inform UK Ltd cannot accept liability for the use to which products are put or in the way in which they are used. All recommendations stated by the company are made in good faith. Recommendations so no over-ride the basic obligation of the user to satisfy themselves at all times as to suitability of the product for their particular application.

## 1.0 IDENTIFICATION OF SUBSTANCE

Water based concrete release agent for formwork.

## 1.10 IDENTIFICATION OF MANUFACTURER

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## 2.0 INFORMATION ON INGREDIENTS

**Contains:** Aqueous emulsion of refined hydrocarbon mineral oil and vegetable oil derivatives.

## 3.0 HAZARDS IDENTIFICATION

No significant hazard, however prolonged contact may cause defatting of the skin.

## 4.0 FIRST AID MEASURES

**Skin:** There may be mild irritation at the site of contact. Wash skin with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing for laundering and wash underlying skin.

**Eyes:** May cause irritation, experienced as mild discomfort and seen as slight excess redness of the eye. Bathe the eye with running water for 15 minutes.

**Ingestion:** There may be irritation of the throat. Wash out mouth with water.

**Ingestion:** If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhoea may occur. Wash out mouth with water. Milk or water to drink may be beneficial.

**Inhalation:** There may be coughing and a sore throat. For effects produced by over exposure, move to fresh air.

## 5.0 FIRE FIGHTING MEASURES

**Extinguishing media:** The product has significant water content and is not expected to support combustion, however the residue left after evaporation could be ignited by high energy sources. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide/carbon monoxide.

**Protection of fire fighters:** Fire resistant clothing and self contained breathing apparatus is recommended for fires in confined spaces and poorly ventilated areas.

## 6.0 ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precaution:** Do not discharge into drains or rivers.

**Clean up procedures:** Small spills, soak up with absorbent granules, sand or earth and collect solids into suitable, marked container for proper disposal. Wash the spillage site with large amounts of water.

## 7.0 HANDLING AND STORAGE

**Storage conditions:** Store in dry frost free conditions, in original containers.

**Suitable packaging:** Must only be kept in original packaging.

## 8.0 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Avoid unnecessary contact by wearing impervious gloves.

**Eye protection:** Wear face visor or protective goggles/safety glasses where eye contact cannot accidentally occur.

**Skin protection:** If skin contact is likely wear impervious protective clothing.

## 9.0 TRANSPORT INFORMATION

**ADR/RID:** Not classified as dangerous in the meaning of transport regulations.

## 10.0 PHYSICAL AND CHEMICAL PROPERTIES

<b>State:</b>	Liquid
<b>Colour:</b>	White
<b>Odour:</b>	Barely perceptible odour
<b>Solubility in Water:</b>	Miscible
<b>Also Soluble In:</b>	Ethanol, Methanol
<b>Viscosity:</b>	Low viscosity emulsion
<b>Relative Density:</b>	0.98

## 11.0 STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions

**Conditions to avoid:** Protect from frost

**Materials to avoid:** Oxidizing materials, strong acids and alkalis.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide/carbon monoxide

## 12.0 TOXICOLOGICAL INFORMATION

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 13.0 ECOLOGICAL INFORMATION

**Mobility:** Readily absorbed into soil. Soluble in water.

**Persistence and degradability:** Inherently biodegradable.

**Bio accumulative potential:** No evidence to suggest that bio accumulation will occur.

**Other adverse effects:** Negligible ecotoxicity.

## 14.0 DISPOSAL OPERATIONS

**Disposal operations:** Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations. See accidental release measures.

**Waste code number:** 16 03 04.

**Disposal of packaging:** Any special regulatory disposal status or provisions applicable to the product may also apply to empty containers or packaging if they contain, or are impaired with residual material.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 15.0 REGULATORY INFORMATION

**Hazard Symbols:** No significant hazard.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16.0 OTHER INFORMATION

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