



ENVIRONMENTALLY FRIENDLY FORMWORK RELEASE AGENT

DESCRIPTION

Ecolease uses the latest water soluble polymer technology to produce a stable, environmentally friendly and highly efficient release agent for concrete formwork on site. Ecolease is particularly suited to outdoor use on faced plywood and other impervious formwork materials.

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

Colour:	White
Coverage:	30-50 sq meters per litre
Packaging:	1000 IBC, 210 litre drum, 25 litre bottle
Storage:	Keep container sealed after use. Protect from frost and freezing conditions. The product may require mild agitation before use if stored for more than 3 months.
Shelf Life:	In excess of 1 year in sealed containers. Use within 3 months of opening.

USES

Highly efficient release agent for general in-situ construction.

APPLICATION

Prepare formwork, if necessary seal joints with formwork tape

Apply thinly by spray, brush or swab prior to each concrete pour at a rate of up to 50 sq. mts. per litre. BCA reports state that excessive application of concrete release agents is detrimental so avoid over application. Application should be a minimum of 1 hour before pouring to allow the excessive water to evaporate and the release film to be properly established. Until this stage is reached protect from rain. With first application to new formwork a second light coat may be required. On vertical forms remove any excess material accumulated at the bottom. For porous formwork or when temperatures are below 5°C use alternative release agents.

QUALITY ASSURANCE

Products are manufactured under quality assured schemes.

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1.0 IDENTIFICATION OF SUBSTANCE/PREPARATION

Product Name: Envirolease
Description: Environmentally friendly mould release agent
Company: TU-Chem Limited
26 Elton Avenue
High Barnet
Herts, EN5 2EA
Tel: 020 8447 0840

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

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

3.0 HAZARD 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 practical. 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 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 PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: White
Odour: Barely perceptible odour
Solubility in Water: Miscible
Viscosity: Low viscosity emulsion
Relative Density: 0.98

10.0 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

11.0 TOXICOLOGICAL INFORMATION

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

12.0 ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil. Soluble in water.

Persistence and degradability: Inherently biodegradable.

Bio accumulative potential: No evidence to suggest bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

13.0 DISPOSAL CONSIDERATIONS

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

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.

14.0 TRANSPORT INFORMATION

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

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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