

# MATERIAL SAFETY DATA SHEET



## ENVIROJECT

Issue: 2. Issue Date: 06/12/2004.

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**Product Name.** ENVIROJECT – ADVANCED FLUID

**Supplier.** KINGFISHER BUILDING PRODUCTS Ltd.  
COOPER LANE.  
BARDSEA BUSINESS PARK  
ULVERSTON  
CUMBRIA.  
LA12 9RA.

**Telephone:** 01229 869100  
**Fax:** 01229 869101  
**Emergency:** As Above

### 2. COMPOSITION / INFORMATION ON INGREDIENTS.

A Polyoxoaluminium Stearate (5%) carried in a petroleum distillate with low aromatic content (<1%) and high naphthalene content.

Benzene (CAS No. 71-43-2) will not normally be present, but will always be less than the 0.1% w/w marker level in the 21<sup>st</sup> ATP to the Dangerous Substances Directive. Enviroject is not classified as a carcinogen under 67/548/EEC and UK CHIP Regulations.

Ingredient Name.	CAS.No	Einecs	Content	Health (Class)	Risk (R No.)
Petroleum distillate.	64742-47-8.	265-149-8	< 85 %	Xn.	R65, 66
Isobutanol	78-83-1		> 5%	Xi	R37/38, 41, 67

### 3. HAZARDS IDENTIFICATION

On the basis of current knowledge, Enviroject is unlikely to be hazardous to man in normal use.

**FIRE:** - Combustible.

**ENVIRONMENT:** -

#### **HEALTH**

**Inhalation:** - May cause dizziness, irritation to eyes, nose and throat following exposure to mists, vapours or fumes.

**Eye Contact:** - May cause irritation with short term redness and stinging.

**Skin Contact:** - Unlikely to cause irritation on single contact. Prolonged or repeated contact may cause irritation.

**Ingestion:** - Likely to be harmless if swallowed in small amounts

### 4. FIRST AID MEASURES.

**Inhalation:** - Remove to fresh air. If irritation persists seek medical advice

**Eye Contact:** - Wash eyes with copious amounts of water. If irritation continues seek medical advice.

**Skin Contact:** - Wash affected area with soap and water as soon as possible. Change contaminated clothing and launder before re-use.

**Ingestion:** - DO NOT induce vomiting. Wash out with water and give water or milk to drink. Seek immediate medical advice



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### 5. FIRE FIGHTING MEASURES.

**Extinguishing Media:** - Dry Powder, Foam or Water Fog. For small fires use CO<sub>2</sub>. DO NOT USE water jets.

**Protective Measures in Fire:** - Fires in closed or confined spaces should be tackled by trained personnel wearing self contained breathing apparatus.

**Flash Point 77°C.**

### 6. ACCIDENTAL RELEASE MEASURES.

**Personal Protection During Spill:** - Wear nitrile or neoprene gloves, goggles and protective clothing. .

**Precautions to Protect Environment:** - Contain spillage. DO NOT allow entry to drains or water courses.

**Spillage Clean up Methods:** - Absorb with suitable inert material i.e. Diatomaceous clay and place in suitable container.

### 7. HANDLING AND STORAGE.

**Usage Precautions:** - As with all mineral oil based products keep skin contact to a minimum and ensure good standards of hygiene. Ensure good ventilation.

**Storage Criteria:** - Containers should be stored upright on racks in well ventilated area, out of direct sunlight and away from any other sources of heat.  
Care should be taken to avoid over - stacking  
Avoid excess heat.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

INGREDIENT .	CAS No.	STD OEL	LT EXP (8 Hr.TWA)	ST EXP (15 Min)
Distillate	4742 - 88 - 7	OES	1000 mg/m <sup>3</sup> .	
Isobutanol	78 - 83 - 1	OES	50ppm	75ppm

**VENTILATION:** - Ensure good ventilation.

**RESPIRATORS:** - Should not be necessary in normal use.

**PROTECTIVE GLOVES:** - Recommended during handling and use.

**EYE PROTECTION:** - Recommended during handling and use.

**OTHER PROTECTION:** - Protective clothing is recommended during handling and use.

**HYGEINIC WORK ROUTINES:** - Maintain good work hygiene routines when handling product. DO NOT smoke, drink or eat whilst using product.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES.

<b>APPEARANCE:</b> - Fluid	<b>COLOUR:</b> - Colourless
<b>ODOUR:</b> - Characteristic.	<b>DENSITY @ 15°C:</b> 0.807
<b>VAPOUR PRESSURE @ 20°C, kPa:</b> <1.0	<b>FLASH POINT (IP303):</b> 77° C
<b>VISCOSITY @ 40°C, m<sup>2</sup>/s:</b> 1.7 x 10 <sup>6</sup>	<b>DISTILLATION (IP 123)</b>
<b>EXPLOSIVE LIMITS % Vol.</b> 0.8 – 6.8	<b>I.B.P.</b> 200°C
<b>BENZENE %/mm</b> < 0.1	<b>F.B.P.</b> 260°C
<b>SURFACE TENSION @ 40°C, mN/m</b> 27	<b>PARTITION COEFFICIENT</b> < Octanol/water. 3 to >6 for constituents

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions. Excess heat (Flash Point 77°C).

**Materials to Avoid:** May react with strong oxidising materials.

**Hazardous Decomposition Products:** On combustion, decomposes with evolution of oxides of carbon.  
With incomplete combustion – Carbon Monoxide

### 11. TOXICOLOGICAL INFORMATION.

Toxicity following a single exposure to high levels of Kerosene (oral, dermal, inhalation) is of very low order. Prolonged inhalations of mists cause inflammation of the lungs.

### 12. ECOLOGICAL INFORMATION.

**Environmental Hazards:** Dangerous to the environment if discharged into water courses

**Persistence and Degradation:** Rapidly broken down by hydroxyl radicals in the troposphere.

Ecotoxicological studies have shown a very low order of toxicity with this type of material.

LC50 (96hr) – Fish >1,000 ppm.

EC50 (25hr) – Daphnia >250 ppm.

IC50 (72hr) – Algae 20 ppm

### 13. DISPOSAL CONSIDERATIONS

**Disposal Methods :** Dispose by incineration through a waste disposal contractor or by methods approved by local authority.



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### 14. TRANSPORT INFORMATION

#### Label for Conveyance.

**HAZCHEM CODE:** None (Voluntary 3/Z)

**IMCO Hazard Class.** Not Classified.

**ICAO.** Not Classified.

**ADR.** Not Classified.

### 15. REGULATORY INFORMATION

#### Label for Supply:



**Harmful Xn**

**Risk Phrases :** R65. Harmful. May cause lung damage if swallowed

**Safety Phrases :** The following Safety Phrases are generally appropriate for Hydrocarbon Solvents.

- S2 - Keep out of reach of children.
- S23 - Do not breathe vapour.
- S24 - Avoid skin contact
- S43 - In case of fire use foam, dry powder, AAF, CO2. – **Never use Water**
- S61 - Avoid release to the environment
- S62 - If swallowed DO NOT INDUCE VOMITING. Seek medical advice immediately and show container or label.

### 16. OTHER INFORMATION

#### User Notes :

THE INFORMATION GIVEN IN THIS DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF THE COMPANY,S KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER NO WARRANTY, GUARANTEE OR REPRESENTATION IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY OF SUCH INFORMATION FOR THEIR OWN USE