

<b>MATERIAL SAFETY DATA SHEET</b> According to Directive 2001/59/EC		
<b>REVISION :</b>  1 May 2007	<b>PRINT DATE :</b>  05 Feb. 14	

<b>1. Identification of Substance / Preparation and Company.</b>
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**Product Name :** Expyre SST

**Company :** J. V. Barrett & Co. Ltd  
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Warmley  
Bristol  
BS30 8TY

**Telephone :** + 44 (0)117 9672222  
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<b>2. Composition / Information on Ingredients.</b>
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**Description :** An aqueous blend of non-ionic surfactants, synergist and active ingredient contained in a water soluble sachet.

<b>Hazardous Ingredients</b>	<b>CAS No.</b>	<b>% Range</b>	<b>Hazard</b>	<b>Risk No.</b>
Pyrethrum Pale Extract (25%)	89997-63-7	12.00	Harmful	20/21/22,50/53,65
Pipronyl Butoxide	51-3-6	15.00		50/53
Surfactant Blend	00000-00-0	>25	Irritant	41

<b>3. Hazards Identification.</b>
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This product is classified as **IRRITANT & DANGEROUS FOR THE ENVIRONMENT** under the Chemicals Hazard Information and Packaging regulations 2002.

<b>4. First Aid Measures.</b>
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**Inhalation :** In case of accident by inhalation : remove casualty to fresh air And rest. If symptoms persist seek medical advice.

**Eye Contact :** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Skin Contact :** After contact with skin, wash immediately with plenty of soap and water. For persistent irritation seek medical advice.

**Ingestion :** If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

<b>5. Fire Fighting Measures.</b>
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This product is not flammable. However, toxic fumes (oxides of carbon and nitrogen) may be evolved in the event of a fire. Treat fires with dry chemical, foam or water spray. Wear protective clothing and self-contained breathing apparatus. Prevent any run-off from entering water course or drains.

## 6. Accidental Release Measures.

Wear suitable protective equipment (see section 8). Clean up spillage with inert absorbent material and place in a secure labelled container. Dispose of waste material and contaminated containers via authorised waste disposal contractor. This product should not enter drainage or sewerage systems. Spillages will make surfaces very slippery. Clean spill area and any tools used thoroughly. Collect washings and dispose of as contaminated waste. Warn others of hazard until surface is dry.

## 7. Handling and Storage.

Keep out of the reach of children.  
Keep only in the original container. Keep container tightly closed. Keep in a safe place  
Keep away from food, drink and animal feeding stuffs.  
When using do not eat, drink or smoke.  
Wear suitable protective clothing, gloves and eye / face protection.  
Wear respirator when spraying.  
Wash hands and exposed skin before meals and after use.

## 8. Exposure Controls / Personal Protection.

Always consult the label before use.

### Ingredient :

Pyrethrum	Acceptable Daily Intake (ADI) – 0.04mg/Kg
Piperonyl Butoxide	Acceptable Daily Intake (ADI) – 0.03mg/Kg
Surfactant Blend	Acceptable Daily Intake (ADI) – not assigned

### PPE :

Respirator	Wear a suitable mask or respirator when spraying.
Gloves	Wear rubber or plastic gloves.
Eye / Face Protection	Wear suitable protection (goggles or face shield).
Protective Clothing	Wear appropriate overalls and closed footwear.

## 9. Physical and Chemical Properties.

<b>Appearance :</b>	Clear Green Liquid
<b>Odour :</b>	Characteristic.
<b>Active :</b>	3.0%(w/w) Pyrethrum, 15.0%w/w Piperonyl Butoxide
<b>Solubility in Water :</b>	Soluble
<b>pH :</b>	6 - 8
<b>SG :</b>	0.980 – 1.000 g/ml

## 10. Stability and Reactivity.

Product is stable under normal conditions. Avoid mixing with other chemicals unless instructed to do so.  
Avoid mixing with strong acids or alkalis.

## 11. Toxicological Information.

<b>Eye Irritation :</b>	Risk of serious damage to eyes.
<b>Skin Irritation :</b>	This product may be irritating to the skin.
<b>Skin Sensitiser :</b>	No
<b>Oral LD<sub>50</sub> :</b>	584 - 900 mg/Kg (Rat) Pyrethrum
<b>Dermal LD<sub>50</sub> :</b>	>5000 mg/Kg (Rabbit) Pyrethrum

This product has not been tested. The data has been calculated using data from the individual components.

## 12. Ecological Information.

This product is classified as may cause long-term adverse effects in the aquatic environment. This product should not enter any water system. Product is biodegradable.

### Ecotoxicity :

Pyrethrum 96hr LC<sub>50</sub> : 39mg/L (salmon), 114mg/L (catfish)  
Piperonyl Butoxide : 24hr LC<sub>50</sub> : 5.3mg/L (carp)

## 13. Disposal Considerations.

Contaminated packaging and waste product must be disposed of via an authorised waste disposal contractor.

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

## 14. Transport Information.

**Proper Shipping Name :** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Contains Pyrethrum, Piperonyl Butoxide)  
**UN No. :** 3082  
**Packaging Group :** III  
**ADR Class :** Class 9  
**ADR Item No. :**  
**HI No. :** 90  
**IMDG :**  
**Marine Pollutant :** No  
**IATA :**

## 15. Regulatory Information.

**Hazard Symbols :** IRRITANT & DANDEROUS FOR THE ENVIRONMENT



**Risk Phrases :** R41 – Risk of serious damage to eyes.  
R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases :** S2 - Keep out of the reach of children.  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 - After contact with skin, wash immediately with plenty of soap and water.  
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).  
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

**HSE No. :** XXXX

**16. Other Information.**

**Recommended Uses :** Insecticide concentrate

**Legal Disclaimer :** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product