

# SAFETY DATA SHEET



**Product Name:** PREMIERE **Reference No:** 344  
**Version No.:** 1 **Revision Date:** N/A **Date of Introduction:**

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name** PREMIERE  
**Common name of active ingredient(s)** TRIFLURALIN: ISOXABEN  
**Intended use** For use only as a Horticultural Herbicide for use on amenity vegetation.  
**Company Identification** **Scotts UK Professional**  
**The Scotts Company (UK) Ltd.**  
**Paper Mill Lane**  
**Bramford**  
**Ipswich, IP8 4BZ** **Telephone +44 (0) 1473 830492**  
**Emergency Telephone** **01865 407333 (24hr)**

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**JBA No:** 013990  
**NPK:** Not applicable

### Chemical Characterisation

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
TRIFLURALIN	001582-09-8	216-428-8	Xi: R43, N: R50/53	2.0%
ISOXABEN	082558-50-7	-	R53	0.5%

## 3. HAZARDS IDENTIFICATION

**Physicochemical:** NOT CLASSIFIED  
**Health:** NOT CLASSIFIED  
**Ingestion** Unlikely to produce any problems.  
**Eye contact** Unlikely to produce any problems  
**Skin contact** There is the possibility of skin sensitisation.  
**Inhalation** Unlikely to produce any problems  
**Environmental:** Harmful to fish or other aquatic life. May cause long-term adverse effects in the aquatic environment. Do not contaminate ponds, waterways or ditches with chemical or used container.

## 4. FIRST AID MEASURES

**General information** Never give fluids or induce vomiting if patient is unconscious or is having convulsions. No specific antidote. Likely symptoms of ingestion are nausea, vomiting, and diarrhoea. Supportive care. Treatment based on judgement of physician in response to symptoms of patient.  
**Inhalation** Remove patient to fresh air, consult a physician.  
**Skin contact** Wash thoroughly with soap and water. If irritation persists seek medical advice.  
**Eye contact** Irrigate immediately with water for at least 5 minutes.  
**Ingestion** Do not induce vomiting. Call a physician. The decisions of whether to induce vomiting or not should be made by an attending physician.

**5. FIRE FIGHTING MEASURES**

<b>General hazard</b>	Keep containers cool by spraying with water. Contain runoff to prevent entry into water or drainage systems.
<b>Extinguishing media</b>	Water fog or fine spray. Carbon dioxide. Dry chemical. Foam.
<b>Extinguishing media to avoid</b>	Strong water jet.
<b>Special exposure hazards</b>	During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.
<b>Protective equipment</b>	Wear protective clothing and use self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Methods for cleaning up</b>	Adhere to personal protective measures (see section 8). Collect all waste material and place in closable marked containers. For large spills, barricade area and consult manufacturer. If further assistance is required, telephone the emergency contact number.
<b>Environmental considerations</b>	Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system.

**7. HANDLING & STORAGE**

<b>Advice on safe handling</b>	Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work.
<b>Storage conditions</b>	Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers. Keep out of the reach of children.
<b>Shelf life</b>	At least 2 years.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure guidelines</b>	None established.
<b>Engineering controls</b>	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
<b>Eye/face protection</b>	Safety glasses should be sufficient for most operations; however, for dusty operations wear chemical goggles.
<b>Skin protection</b>	Wear clean, long-sleeved, body covering clothing. Use gloves, impervious to this material when prolonged or frequently repeated contact could occur.
<b>Respiratory protection</b>	For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved dust respirator. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Physical form</b>	Granules
<b>Colour</b>	Yellow
<b>Odour</b>	Not available
<b>pH</b>	7.0 – 8.0 (50% aq. dispersion)
<b>Boiling pt / range</b>	Not applicable
<b>Melting pt / range</b>	Not determined
<b>Flash point</b>	Not applicable
<b>Auto-ignition temperature</b>	>537 deg.C
<b>Bulk density</b>	39 – 42lb/cu.ft.
<b>Water solubility</b>	Not available
<b>Additional information</b>	None known.

**10. STABILITY & REACTIVITY**

<b>Stability</b>	Stable under normal storage conditions.
<b>Conditions to avoid</b>	Avoid extremes of temperature.
<b>Material to avoid</b>	Strong basic, acidic or oxidising materials.
<b>Hazardous reactions</b>	None known.
<b>Hazardous decomposition products</b>	None under normal conditions or storage and use.
<b>Further information</b>	None.

**11. TOXICOLOGICAL INFORMATION**

<b>Ingestion</b>	Single dose oral toxicity is considered to be low. The oral LD <sub>50</sub> for rats is >2000mg/kg.
<b>Skin contact</b>	The dermal LD <sub>50</sub> for rats is >2000mg/kg. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. Short single exposure is not likely to cause significant skin irritation. Non-sensitising to guinea pig skin.
<b>Eye contact</b>	May cause slight eye irritation.
<b>Inhalation</b>	No adverse effect anticipated by this route of exposure incidental to proper handling.

**12. ECOLOGICAL INFORMATION**

Assessment largely or completely based on data for active ingredient.

<b>Persistence and degradability</b>	Trifluralin Tightly bound to soil and is extremely resistant to leaching and elution. Degradation occurs by volatilisation, photodegradation; aerobic and anaerobic mechanisms, as the more usual routes. Half-life in soils is dependent on soil type and conditions and is approximately 25-289 days.
<b>Aquatic Toxicity</b>	Isoxaben Undergoes microbial degradation in the soil. In soil, the half-life is approximately 150-180 days. There is no evidence of any significant leaching, therefore it is unlikely to contaminate ground water. Trifluralin Material is very highly toxic to fish on an acute basis (LC <sub>50</sub> <0.1mg/l) Material is highly toxic to aquatic invertebrates on an acute basis (0.1mg/l <LC <sub>50</sub> <1.0mg/l) Isoxaben Acute LC <sub>50</sub> for fish is reported to be greater than the maximum saturation level. Acute LC <sub>50</sub> for daphnids is reported to be greater than the maximum saturation level
<b>Avian Toxicity</b>	Trifluralin Material is practically non-toxic to birds on an acute basis (LD <sub>50</sub> >2000mg/kg) Isoxaben Material is practically non-toxic to birds on an acute basis (LD <sub>50</sub> >2000mg/kg)
<b>Further information</b>	None known.

**13. DISPOSAL CONSIDERATIONS**

<b>Advice on disposal</b>	Harmful to fish or other aquatic life. Do not contaminate ponds, waterways or ditches with chemical or used container. Wash out thoroughly. Container and washings must be disposed of safely and in accordance with applicable regulations. The preferred options are to send to licensed reclaimer or to permitted incinerators. Do not re-use container for any purpose.
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**14. TRANSPORT INFORMATION**

<b>United Nations number</b>	Not classified for transport.
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**15. REGULATORY INFORMATION**

**Classification** Not classified.

**Current Registration No** MAPP 100866

**Precautions (from the label)** WEAR SUITABLE PROTECTIVE GLOVES when handling the granules.  
WASH HANDS AND EXPOSED SKIN before meals and after work.  
KEEP OUT OF REACH OF CHILDREN.  
HARMFUL TO FISH OR OTHER AQUATIC LIFE.  
Do not contaminate surface waters or ditches with chemical or used container  
DO NOT ALLOW DIRECT APPLICATIONS OF GRANULES from ground-based vehicle-mounted/drawn applicators to fall within 6 metres of surface waters or ditches.  
DO NOT ALLOW DIRECT APPLICATIONS OF GRANULES from hand-held applicators to fall within 2 metres of surface waters or ditches. Direct applications away from water.  
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.  
EMPTY CONTAINER COMPLETELY and dispose of safely.  
DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

**16. OTHER INFORMATION****Risk phrases referred to in section 2 (for composite ingredients)**

R43: May cause sensitisation by skin contact.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Further information** For further advice authorised persons (e.g. doctor) may contact the National Poisons Information Service Centre:  
UK National number: 0870 600 6266  
Eire (Dublin) 00 3531 8379964 or 00 3531 8379966

**Sources of data** EH40/2002 and other suppliers' safety data sheets

**Date of issue** March 2003

**The information on this sheet is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product.**

**It is not applicable to unusual or non standard uses of the product nor where instructions or recommendations are not followed.**