



**1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY**

Safety Data Sheet for: **SHORTCUT**

**Synonyms:**

**Common name of active ingredient:** Trinexapac-ethyl

**Intended Use:** For use only as an horticultural plant growth regulator. For use only on managed amenity turf and amenity grassland

**Dilution:** Dilution rate depends on application method and situation of use – refer to label

**For further information contact:** Professional Business Group, The Scotts Company (UK) Limited, Paper Mill Lane, Bramford, Ipswich, England IP8 4BZ. Telephone: (01473) 830492.

**24hr Emergency Line Tel:** 01865 407333

**Date of Introduction:** January 1999

**Date of Withdrawal:**

**Date of Change:**

**2. COMPOSITION INFORMATION ON INGREDIENTS (Directive 91/155/EC)**

**Spec. No:**

<b>Ingredient(s)</b>	<b>Composition</b>	<b>CAS No</b>	<b>Symbol</b>	<b>R phrases</b>
Trinexapac-ethyl	25%w/w	95266-40-3	N	R50

**3. HAZARDS IDENTIFICATION**

**Classification:** None **Symbol(s):** Not required

**Eye contact:** Non irritant

**Skin contact:** Non irritant; Not a sensitiser

**PRECAUTIONS (from the label):** WASH HANDS AND EXPOSED SKIN before meals and after work. HARMFUL TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.

**4. FIRST-AID MEASURES**

**Ingestion:** Consider administration of medicinal charcoal in a large quantity of water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

**Eye contact:** Rinse eyes with clean water for several minutes and seek medical advice.

**Skin contact:** Remove any contaminated clothing and thoroughly wash the affected parts of the body with soap and water.

**Inhalation:** Remove the affected person from exposure to a well ventilated area and protect from hypothermia. In a case of suspected poisoning; immediately call a physician.

**5. FIRE-FIGHTING MEASURES**

The product is non flammable. In the presence of fire dangerous fumes may be given off. Extinguishing media include powder, foam and carbon dioxide or water spray (do not use direct jet of water). Measures should be taken to prevent contaminated extinguishing media from seeping into the ground, contaminating watercourses or spreading uncontrollably. Protective clothing and apparatus must be worn.

<b>6. ACCIDENTAL RELEASE MEASURES</b>	
Avoid any sources of ignition. Wear suitable personal protective clothing(see section 8). Do not allow material to contaminate water courses or sewers. Spillages should be cleared up immediately. Contain spillage with absorbent material such as sand. Sweep up and place in a labelled container for safe disposal. Contact Local Authority (Environmental Health Department), specialist disposal contractor or supplier for information on safe disposal (see section 13).	
<b>7. HANDLING AND STORAGE</b>	
Avoid inhalation of vapour spray or mist. Do not eat, drink or smoke during work with the product. Avoid contact with skin, eyes and clothing. Storage Instructions: Store the product in closed, original container in a cool well ventilated place. Protect from frost. Store separately from food and feed. Keep out of the reach of children. Do not re-use containers for any other purpose.	
<b>Shelf life:</b>	At least 2 years
<b>Product packaging:</b>	20x120g (outers of 4x20x120)
<b>Special precautions:</b>	None known
<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
<b>PRECAUTIONS (from label) for the normal use of product:</b> WASH HANDS AND EXPOSED SKIN before meals and after work. KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place. WASH OUT CONTAINER THOROUGHLY and dispose of safely. Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: WEAR SUITABLE PROTECTIVE GLOVES when applying by knapsack sprayer. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.	
<b>In case of accidental spillage or handling of bulk product:</b> Occupational Toxicity Risk – slightly elevated; General personal Protective Equipment (PPE) – change work clothes daily; PPE (Respiratory Protection) – Heavy dust mask or faceshield; PPE (Hand Protection) – Gloves, nitrile 0.6mm; PPE (Eye Protection) – Goggles or face shield to BS 2062. PPE (Body Protection) – Heavy duty cotton or synthetic fabric overalls (see section 13) Precautionary measures after work – Thoroughly clean protective gear and contaminated equipment with soap or soda solution. Wash thoroughly (shower, bathe wash hair). Change clothing.	
<b>Occupational Exposure Standard(s):</b> None assigned	
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Physical nature:</b>	Powder
<b>Appearance / Odour:</b>	Beige / Slightly sweet odour
<b>Water solubility:</b>	110 mg/l at 25°C (trinexapac-ethyl)
<b>Lipid solubility:</b>	Not applicable
<b>Density @ 20°C:</b>	0.27 g/cm <sup>3</sup>
<b>Boiling point:</b>	Not applicable
<b>Oxidising properties:</b>	Not known
<b>Flash point:</b>	Not applicable
<b>Flammability:</b>	Non-flammable
<b>Decomposition temperature:</b>	Not known
<b>Hazardous polymerization:</b>	Not known
<b>Explosion limits:</b>	Not known
<b>pH (1% suspension):</b>	3-5
<b>Other:</b>	None known
<b>10. STABILITY AND REACTIVITY</b>	
<b>Stability (normal conditions):</b>	Chemically stable under standard conditions. Not sensitive to humidity.
<b>Conditions to avoid:</b>	None known
<b>Incompatible with:</b>	None known
<b>Hazardous decomposition products:</b>	No hazardous decomposition products when handled according to instructions.
<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>Acute Oral LD<sub>50</sub>:</b>	(rat) > 5050 mg/kg
<b>Acute Dermal LD<sub>50</sub>:</b>	(rat) > 2020 mg/kg
<b>Inhalation:</b>	(rat 4h) > 5 mg/l
<b>Acute Skin Irritation :</b>	( Rabbit): Non irritant
<b>Acute Skin Sensitisation:</b>	(Guinea Pig): Not a sensitiser
<b>Acute Eye Irritation:</b>	(Rabbit): Non irritant
<b>Other:</b>	No case of human poisoning has been reported.
<b>References:</b> Supplier	
<b>12. ECOLOGICAL INFORMATION</b>	
<b>Daphnia: EC<sub>50</sub> (96h):</b>	>100 mg/l
<b>Fish: LC<sub>50</sub> (96h):</b>	Trout > 100 mg/l
<b>Other:</b>	Algae EbC <sub>50</sub> (72h) ( <i>S. subspicatus</i> ) > 100 mg/l
<b>Precautions (from the label):</b> HARMFUL TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used containers.	
<b>References:</b> Supplier	



**13. DISPOSAL CONSIDERATIONS:**

**User:** Via local authority or authorised waste disposal contractor. Contact manufacturer or supplier for additional advice.

**Surplus Bulk Product / Spillage:** Via local authority or authorised waste disposal contractor. Contact manufacturer or supplier for additional advice.

**14. TRANSPORT INFORMATION:**

**UN No:** 3077

**Proper Shipping Name:** Environmentally  
Hazardous Substance N.O.S.  
(Contains trinexapac-ethyl 25%).

**Class:** 9

**Packing Group:** III

**ADR Item No:** 12<sup>o</sup>C

**Marine Pollutant:** No

**15. REGULATORY INFORMATION:**

**Classification:** Not classified

**Symbol(s):** Not required

**Current Registration Number:** UK  
09254

**Previous Registration Number(s):** None

This product is classified under the Control of Pesticides Regulations 1986.

The Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

**PRECAUTIONS (from the label):** Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: WEAR SUITABLE PROTECTIVE GLOVES when applying by knapsack sprayer. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. Wash hands and exposed skin before meals and after work. NOT TO BE USED ON FOOD CROPS. HARMFUL TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.

**16. OTHER INFORMATION**

For further advice authorized persons (Doctor/Veterinary Surgeon) may contact the National Poisons Information Service Centre:

Belfast: 01232 240503  
Birmingham: 0121 507 558 or 0121 507 5589  
Cardiff: 01222 709901  
Dublin: 00 3531 8379964 or 00 3531 8379966  
Edinburgh: 0131 5362300 or 0131 5361000  
Leeds: 01132 430715 or 01132 923547  
London: 0171 635 9191  
Newcastle: 0191 232 5131

**Reference number:** SDS No:046

**Version:** 1

**Date of Sheet:** 18 January 1999

The appearance of a 'REVISION' stamp in any of the boxes indicates a change in the information to the previous issue.

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.