

# PRODUCT SAFETY DATA SHEET

## PINNACLE

### 1. † Identification of the Product and the Company:

Trade Name: PINNACLE  
Function: A herbicide for use in agriculture

#### Contact Points:

For further advice, contact  
Headland Agrochemicals Ltd  
Rectors Lane  
Pentre  
Deeside  
Flintshire CH5 2DH

Tel: +44(0) 1244 537370  
Fax: +44(0) 1244 532097  
E-Mail: enquiry@headlandgroup.com  
Web: www.headland-ag.co.uk

In cases of emergency, contact  
DuPont (UK) Ltd.,  
Wedgwood Way  
Stevenage SG1 4QN

Emergency telephone Number 02871 861313

### 2. Hazards:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### 3. Composition:

A 50% w/w water dispersible granule formulation of thifensulfuron-methyl

<u>Chemical Name:</u>	<u>CAS No.</u>	<u>Concentration</u>	<u>Classification</u>
Thifensulfuron-Methyl	74223-64-6	50% w/w	N, R50, R53

### 4. First Aid Measures:

Eyes: Irrigate gently with clean water for at least 15 minutes. Seek medical advice if any irritation or redness persists.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if any irritation or redness persists.

Ingestion: Give one or two glasses of water to drink. Seek medical advice. Do not induce vomiting except on medical advice.

Inhalation: Remove from exposure and provide maximum ventilation.

Obtain medical advice.

**5. Fire Fighting Measures**

Pinnacle will not burn. If involved in a fire, decomposition fumes and vapours will be toxic. Fire fighters should wear breathing apparatus.

Use dry chemical, foam, carbon dioxide, sand or earth. Avoid use of high volume water jet because of risk of contamination. Prevent entry of the product or contaminated water into watercourses ditches or drains by bunding the area with sand or earth if possible. For small fires, if the area is heavily exposed to fire and conditions permit, let the fire burn itself out since water may increase the area contaminated. Keep containers and tanks cool with water spray.

**6. Accidental Release (Spillage)**

Wear suitable protective clothing (see Section 8).

Recover the granules pack by scoop or with a suitable industrial vacuum cleaner. If the spillage has occurred on ground near valuable plants or trees, remove the top 5 cms of soil after initial clean-up.

Transfer recovered material to a labelled container for later removal to a safe place for disposal.

Flush the area with plenty of water when **all** the spillage has been removed. Prevent the spillage from entering watercourses sewers or drains. Inform the authorities if contamination of waterways, sewers or drains is threatened or occurs.

**7. Storage and Handling**

Keep in original container, tightly closed.

Keep cool and dry in a suitable agricultural chemical store under lock and key. Keep away from food, drink and animal feeding-stuffs and out of reach of children.

Avoid contact with skin, eyes or clothing. Keep dust away from heat and sources of ignition. Provide exhaust ventilation in areas where dust may form

**8. Personal Protection**

Ensure adequate ventilation. In the case of dust or aerosol formation, use a respirator with an approved filter or half-mask with a particle filter FFP2/FFP3 (EN149). Wear suitable coveralls, nitrile rubber gloves and eye protection. Cotton or leather gloves should not be worn. Wash all protective clothing before re-use.

**9. Physical and Chemical Properties**

Appearance: a brown dry granular solid

Odour: mild, chemical

Melting point/range: >182°C

Bulk density: 550 kg/m<sup>3</sup>

Solubility: disperses in water

PH (10 g/l in water): 9 – 9.5

**10. Stability and Reactivity**

Stability: Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions.

Reactivity: Avoid contact with strong acids and oxidising agents. Avoid dust formation in confined areas (dust may form explosive mixture in air).

Decomposition: may generate oxides of carbon, nitrogen and sulphur if heated to decomposition.

#### **11. Toxicological Information**

Acute oral LD50: >5,000 mg/kg.bw (rat)  
Acute dermal LD50: >2,000 mg/kg.bw (rabbit)  
Inhalation LC50: 7.9 mg/l for 4 hours (rat)  
Irritancy: Not considered irritant or potential sensitiser..

#### **12. Environmental Protection**

This product is harmful to fish.

96-hour LC50 to Bluegill sunfish = >120 mg/litre  
Rainbow trout = >120 mg/litre

48-hour EC50 to Daphnia spp. = >120 mg/litre

72-hour EC50 to Selenastrum spp = >1.6 mg/litre

Biodegradability: not readily biodegradable.

#### **13. Disposal of Unwanted Product and Used Containers**

Consult the local authorities before disposing of unwanted chemical. It is recommended that chemical burned in a licenced chemical incinerator equipped with an afterburner and scrubber.

Dispose of containers by burning or as permitted by local authorities. Do not re-use containers for any purpose.

#### **14. Transport Information**

Road Transport: Environmentally hazardous solid  
UN Number: 3077  
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (contains thifensulfuron-methyl 50%)  
UN Class: 9  
CPL Packing Group: III  
ADR/RID Description: Marine pollutant  
IMDG Class: Marine pollutant 9

#### **15. Regulatory Information**

Hazard Symbol: Dangerous for the Environment N  
Risk Phrases: R50 Very toxic to aquatic organisms  
R53 May cause long-term adverse effects in the aquatic environment.  
Safety Phrases: S35 This material and its container must be disposed of in a safe way.  
S57 Use appropriate containment to avoid environmental contamination.

## 16. Other Information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Pinnacle is approved by MAFF Pesticides Safety Directorate for use as a herbicide. Registration No. MAPP 12285. Registration held by duPont (UK) Ltd..

Headland is a registered trade mark of Headland Agrochemicals Ltd.  
Pinnacle is a trademark and product of du Pont.

Revised:	March 2009
Replaces issue dated:	February 2005
Sections updated since last issue:	Marked † in margin