

SAFETY DATA SHEET

MAXFORCE ULTRA

F875 2.00 GB Current 12.01.2000

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade Name	MAXFORCE ULTRA
Product (Specification) Code	F875
Aventis CropScience Product Code	AE F149320 00 RB02 A4
Usage	Bait Insecticide
Appearance	Brown viscous gel
Manufacturer/Supplier	Bayer Environmental Science
Address	Durkan House, 214-224 High Street Waltham Cross, Hertfordshire EN8 7DP
Phone Number	01992 784270
Fax Number	01992 784276
Emergency Phone Number	0800 220876 (24 hr UK) +44 1223 870312 (24 hr Overseas)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components in Product for EC

Component Name	CAS No	Conc. %w/w	R Phrases	Classification
1. Hydramethylnon	67485-29-4	2.15	R22	Xn
2. Glycerol	56-81-5	10.00 < 20.00		
3. Oleic acid	112-80-1	1.00 < 5.00	R36/37/38	Xi

3. HAZARDS IDENTIFICATION

Main Hazards	Not classified as hazardous.
---------------------	------------------------------

4. FIRST-AID MEASURES

Eyes	Rinse immediately with clean water for at least 15 minutes and obtain medical aid.
Skin	Carefully remove contaminated clothing. Wash affected area with soap and water. Seek medical aid if at all worried.
Ingestion	Wash out mouth with water. Keep patient at rest and seek medical advice. Do not induce vomiting.
Inhalation	If inhaled, remove to fresh air and keep at rest. Obtain medical aid if at all worried.
Advice to Physicians	Brief Summary of Symptoms and Signs: Local Contamination: None documented to-date Systemic Poisoning: None documented to-date. Treatment: Local Contamination: Symptomatic after decontamination. Treat as documented above under 'First-Aid Measures'. Systemic Poisoning: Initial treatment should be symptomatic and supportive. Further advice is available from; Bayer Environmental Science via the emergency telephone number above or from the nearest Poisons Unit.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Product is not readily combustible. If product is involved in a fire, use waterspray, foam, dry powder, carbon dioxide or sand.
Unsuitable Extinguishing Media	None.
Special Exposure Hazards	May give off toxic fumes if heated to decomposition.

SAFETY DATA SHEET

MAXFORCE ULTRA

F875 2.00 GB Current 12.01.2000

5. FIRE-FIGHTING MEASURES (continued)

Protective Equipment for Fire-Fighting	Do not breathe fumes. Wear self contained breathing apparatus.
Fire Fighting Guidance	If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Whenever possible, contain fire-fighting water by bunding area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with spilled material or contaminated surfaces. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in Section 8.
Environmental Precautions	Keep people and animals away. Prevent entry into drains, sewers and watercourses. In the UK if spillage enters drains leading to sewage works inform local water company plc immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060). Overseas, inform the appropriate authority immediately.
Spillages	Sweep up into suitable containers for recovery or disposal.
Note	Check also for any local site procedures in force.

7. HANDLING AND STORAGE

Handling	No specific precautions required when handling unopened containers; follow any relevant manual handling guidance. Refer to Section 8 if exposure to product is possible. Wash thoroughly with soap and water after handling and before eating, drinking or smoking.
Storage	Store in original packs/containers in a dry secure area designated for pesticides with access for authorised staff only. Store away from seeds, fertilizers and animal feedstuffs.
Technical Storage Measures	No special measures required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards	None assigned.
1. Product	UK EH40: OES 10mg/m ³ 8h TWA. (mist)
2. Glycerol	
Engineering Control Measures	Refer to any applicable COSHH assessments. Engineering controls should be used where practicable in preference to personal protection.
Respiratory Protection	None required when handling the product.
Hand Protection	Wear chemical resistant PVC or nitrile gloves.
Eye Protection	Wear safety goggles with unperforated side shield or goggles (conforming to BS EN 166 or BS 2092 for older goggles).
Other	Wear PVC or chemical resistant disposable overalls and PVC boots.
Other Information	If feasible, decontaminate protective clothing before removal. Where decontamination is not feasible (before or after removal) dispose of as contaminated waste.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Gel
Colour	Brown.
Odour	Sweet.
pH	Not applicable
Boiling Range/Point (deg C)	Not applicable

SAFETY DATA SHEET

MAXFORCE ULTRA

F875 2.00 GB Current 12.01.2000

9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

Melting Point/Freezing Point (deg C)	Not determined.
Flash Point (deg C)	No data.
Explosion Limits (%)	No data.
Solubility in Water	No data.
Vapour Pressure	No data.
Density (g/ml)	1.10.
Flammability	Not readily combustible.
Auto-flammability (deg C)	Not determined.
Explosive Properties	None.
Oxidising Properties	None.
Vapour Density (Air = 1)	Not applicable
Dust Explosion Data	Not applicable
Summary/Other Data	A solid that is not readily combustible.

10. STABILITY AND REACTIVITY

Stability	Stable at ambient conditions.
Conditions to Avoid	None in particular.
Materials to Avoid	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Inhalation	Low toxicity.
Skin and Eye Contact	Low toxicity; rabbit dermal LD50 > 2000 mg/kg. Slight and reversible irritant to rabbit skin (labelling not indicated). No evidence of skin contact sensitisation.
Ingestion	Low toxicity; rat oral LD50 > 5000 mg/kg.
Carcinogenicity	No data.
Genotoxicity	Data given in this section are for the active ingredient: Not mutagenic.
Reproductive Toxicity	Data given in this section are for the active ingredient: Not teratogenic in the rat or rabbit, with no effects on fertility or reproductive performance.

12. ECOLOGICAL INFORMATION

Mobility	Data given in this section are for the active ingredient: Immobile in soil. Does not leach to groundwater.
Persistence/Degradability	Data given in this section are for the active ingredient: Soil DT50 7 days (loam) . Water DT50 24 to 33 days (pH 4.9), 10 to 11 days (pH 7.03), 11 to 12 days (pH 8.87). Photolysis DT50 1 hour.
Bio-accumulation	Data given in this section are for the active ingredient: Log P = 2.31. Has a low potential for bioaccumulation.
Aquatic Toxicity	Data given in this section are for the active ingredient: 96 hr LC50 rainbow trout 0.16 mg/l, bluegill sunfish 1.7 mg/l, 48 hr EC50 daphnia 1.14 mg/l.
Other Toxicity	Data given in this section are for the active ingredient: Acute oral LD50 mallard duck > 2510 mg/kg, bobwhite quail 1828 mg/kg. Toxic to the following species; bees .

13. DISPOSAL CONSIDERATIONS

SAFETY DATA SHEET

MAXFORCE ULTRA

F875 2.00 GB Current 12.01.2000

13. DISPOSAL CONSIDERATIONS (continued)

Product Disposal	Disposal of product would usually be by incineration in an appropriately licensed commercial incinerator. Small quantities may be accepted in licensed landfill sites. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK). In the UK disposal arrangements should be in accordance with the Duty of Care Regulations and, where applicable, with the Special Waste Regulations.
Container Disposal	Lightly contaminated packaging may be acceptable for landfill, otherwise incineration will be required. See above for advice.

14. TRANSPORT INFORMATION

UN Number	Not dangerous for transport
UN Proper Shipping Name	Not dangerous for transport
UN Class	Not dangerous for transport
UN Packaging Group	Not dangerous for transport
ADR/RID - Description	Not dangerous for transport
CDG(CPL) - Description	Not dangerous for transport
IMDG - Proper Shipping Name	Not dangerous for transport
IMDG - Ems Number	None.
IMDG - MFAAG Table Number	None.
ICAO - Proper Shipping Name	Not dangerous for transport

15. REGULATORY INFORMATION

Risk symbol	<input type="checkbox"/> None
Hazard Classification	Not classified
Designated Name	Maxforce Ultra (contains hydramethylnon 2.15 %)
R phrases	Not classified
S phrases	36/37-Wear suitable protective clothing and gloves. 45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Control of Pesticides Regulations 1986: Precautions	FOR USE ONLY AS AN INSECTICIDE. For use as an insecticidal bait in Public Hygiene/Nuisance and Food Storage Practice. The (COSHH) Control of Substances Hazardous to Health Regulations 1994 may apply to the use of this product at work. FOR USE ONLY BY PROFESSIONAL OPERATORS. DO NOT APPLY TO SURFACES on which food or feed is stored, prepared or eaten. COVER FOOD, FOOD PREPARING EQUIPMENT AND EATING UTENSILS before application. KEEP IN A SAFE PLACE OUT OF REACH OF CHILDREN AND ANIMALS. USE ONLY in positions inaccessible to animals, children and other persons. DANGEROUS TO FISH AND OTHER AQUATIC LIFE. Do not contaminate watercourses or ground. DISPOSE OF USED CONTAINER SAFELY. WASH HANDS AND EXPOSED SKIN BEFORE MEALS AND AFTER USE. AVOID ALL CONTACT BY MOUTH OR WITH SKIN (wear synthetic rubber/ pvc gloves).

SAFETY DATA SHEET

MAXFORCE ULTRA

F875 2.00 GB Current 12.01.2000

15. REGULATORY INFORMATION (continued)

ON BOARD SHIP

In compliance with The Merchant Shipping (Medical Scales) Regulations 1974. Protect food preparing surfaces or equipment and eating utensils from contamination during application.

IN CASE OF SKIN CONTAMINATION wash immediately with soap and water.

KEEP IN A COOL PLACE away from crew and passenger accomodation and edible cargo.

KEEP OUT OF REACH OF CHILDREN.

16. OTHER INFORMATION

MSDS first issued

18 August 1998

MSDS data revised

12 January 2000

Footnote

This Safety Data Sheet was prepared in compliance with Commission Directive 93/112/EC, 67/548/EEC and 88/379/EEC as well as their relevant ammendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

Disclaimer

The above information is intended to give general 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 substance or product for which purposes the substance or 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 at the date of publication and will be updated as and when appropriate. No liability will be accepted for any injury loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.
