

Material Safety Data Sheet

1. Identification of the substance/preparation and company/undertaking

Product

Trade Name: HATCHET XTRA

Recommended Uses Agricultural Herbicide*Company*

Manufacturer / Supplier: AgriGuard Ltd
Address: Unit 3, Tally House, Broomfield Business Park
Malahide Co. Dublin Ireland
Telephone Number: +353-1-8462044
Fax Number: +353-1-8462489
e-mail: info@agriguard.ie
Emergency Telephone No.: 0870-600-6266 [UK National Poisons Control
Information Service (NPIS) Centre]
01-8379964/66 (Poisons Information Centre, Beaumont
Hospital, Beaumont, Dublin 9, Ireland)

2. Composition/Information on Ingredients

Component	CAS Registry No.	EINECS ELINCS No.	Wt.%	R phrase*	Symbol
Fluroxypyr 1-methyl heptyl ester [(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetic acid methyl heptyl ester (IUPAC)	81406-37-3	279-752-9	31.2	R53	N
Aromatic Hydrocarbon Solvent	64742-95-6	265-199-0	60-70	R10, R37, R51/53, R65, R66, R67	Xn, N
Alkyl Aryl Sulfonate	68953-96-8	273-234-6	1-5	R38, R41, R51/53	Xi, N
Inert Ingredients	-	-	Balance	-	-

3. Hazards Identification

Flammable. Irritating to the eyes, respiratory system and skin. Harmful: may cause lung damage if swallowed. May cause sensitisation by skin contact. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Material Safety Data Sheet

4. First Aid Measures

- Skin Contact:** Remove contaminated clothing and wash the affected area with soap and water. Seek medical attention if necessary. Wash contaminated clothing before re-use.
- Eye Contact:** Rinse out with plenty of water with the eyelid held wide open. Seek medical attention if necessary. Remove contact lenses if present after the first 5 minutes
- Inhalation:** Immediately remove from exposure to fresh air and seek medical attention.
- Ingestion:** Do not induce vomiting. Seek medical attention.
- Further Information:** There is no specific antidote. Signs and symptoms of excessive exposure may be central nervous system effects such as headache, dizziness or anaesthesia. If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Supportive care. Treatment based on judgement of physician in response to symptoms of patient.

For further advice on treatment contact:
The UK National Poisons Control Information Service (NPIS)
Centre (Emergency Telephone No.: 0870-600-6266) or
The Poisons Information Centre, Beaumont Hospital, Beaumont,
Dublin 9, Ireland (Telephone 01-8379964/66).

Material Safety Data Sheet

5. Fire-fighting Measures

Suitable extinguishing media: Water fog/spray, foam, carbon dioxide or dry powder.

Extinguishing media which must not be used for safety reasons:

None known

Special exposure hazards: Fumes released may contain unidentified toxic and/or irritating compounds.

Special protective equipment for fire-fighting: Wear protective clothing and self contained breathing apparatus.

Other Information: Intact containers should be removed from risk of exposure to the fire if it is safe to do so. If it is not safe to remove them, spray intact containers with water to keep them cool. Contain fire-fighting water with sand or some such bunding material.

6. Accidental Release Measures

Personal precautionary measures:

Wear appropriate safety clothing and eye/face protection. Refer to section 8 below for personal protection required. Avoid breathing vapours.

Environmental-protection measures:

Keep the area isolated and do not allow contamination to enter the sewerage system or any body of water.

If the product has entered the sewerage system or contaminated a public place advise the appropriate authority.

Procedures for cleaning/absorption:

Contain/absorb the spillage with a suitable inert absorbent material or sand which should then be transferred to secure containers and sent for disposal. For large spills barricade area and consult manufacturer

Other Information:

Remove all sources of ignition.

Material Safety Data Sheet

7. Handling and Storage

Handling: Avoid breathing vapours. Wash hands and exposed skin before eating, drinking or smoking and after work. Remove contaminated clothing immediately and wash skin area with plenty of water.

Storage: Store in a dry well ventilated area in the original containers, access should only be for authorised persons. Store away from food, drink, animal foodstuffs, pharmaceuticals, cosmetics or fertilisers. Protect from extremes of heat and cold. Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

No data is available for the active ingredient; however for the solvent the value is 200mg/m³.

Engineering measures to reduce exposure:

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations

Personal protective equipment:

Eye protection: Wear safety goggles conforming to BS 2092.

Hand protection: Wear PVC or nitrile gauntlet gloves.

Respiratory protection: Wear a respirator with an appropriate filter following the manufacturers instructions for use. Wear a self-contained breathing apparatus in emergency conditions.

Skin and body protection: Long sleeved, lightweight protective clothing.

Other Information:

Good general ventilation should be sufficient for most conditions however local exhaust ventilation may be necessary for some operations.

Material Safety Data Sheet

9. Physical and Chemical Properties

Appearance:	Liquid
Colour:	Brown
Odour	Aromatic
pH	5.2 (1% aq.solution)
Flash Point:	55 ^o C
Explosive properties:	None
Self-ignition temperature	442 ^o C
Oxidising properties	Not available
Kinematic viscosity	2.96 mm ² /sec (20 ^o C)
Water solubility	Emulsifies
Density:	0.971 g/L (20 ^o C)

10. Stability and Reactivity

Stability:	Stable under normal storage conditions.
Conditions to avoid:	Sources of ignition and direct sunlight. Protect from frost.
Materials to avoid:	Strong acidic, basic or oxidising materials.
Hazardous decomposition products:	None under normal conditions of storage and use.

11. Toxicological Information

Acute toxicity:

LD₅₀(oral, rat): >2000mg/kg, (low toxicity)

LD₅₀(skin, rat): >2000mg/kg, (low toxicity)

Further toxicological information:

After inhalation:	no harmful effects but prolonged exposure should be avoided.
After skin contact:	non-irritating.
After eye contact:	may cause slight but prolonged irritation to the eye.
After swallowing:	no harmful effects expected.

Material Safety Data Sheet

12. Ecological Information

Mobility:	Low mobility. No evidence of any significant leaching.
Persistence/Degradability: (data is for active ingredient)	In soil DT ₅₀ : 14 –56 days depending on soil conditions. Degradation is mainly microbial and will occur readily. Hydrolysis to the parent acid is rapid.
Bioaccumulative potential:	No data available.
Aquatic toxicity : (data is for active ingredient)	The acute LC ₅₀ for fish and daphnids is reported to be greater than the maximum saturation level.
Other toxicity : (data is for active ingredient)	Mallard duck oral LD ₅₀ : >2000mg/kg Earthworms LD ₅₀ : 270mg/Kg Bees LD ₅₀ : 100ug/bee

13. Disposal Considerations

Waste from residues/unused products:	Can be landfilled or incinerated, when in compliance with local regulations. Special Waste Regulations 1996 (SI 1996 No. 972) which implements the EC Hazardous Waste Directive 94/31/EC
Contaminated packaging:	Do not reuse empty containers. Empty containers can be landfilled after cleaning, when in compliance with local regulations. Wash out container thoroughly after use.
Further information:	Contact the Local Council Authority for advice on the disposal of pesticide waste, or ask an approved waste disposal contractor.

Material Safety Data Sheet

14. Transport Information

UN proper shipping name: Flammable liquid n.o.s (contains petroleum distillate)
UN Number: 1993

Road/Railway

Proper shipping name: Flammable liquid n.o.s (contains petroleum distillate)
UN Number: 1993
Class: 3
Packaging group: III
Hazard Identification No.: 30

Inland waterways

Proper shipping name: Flammable liquid n.o.s (contains petroleum distillate)
UN Number: 1993
Class: 3
Item: 31
Letter: c
Hazard Identification No.: 30

Sea

Proper shipping name: Flammable liquid n.o.s (contains petroleum distillate)
UN Number: 1993
Class: 3
Packaging group: III
Marine pollutant: P

Air

Proper shipping name: Flammable liquid n.o.s (contains petroleum distillate)
UN Number: 1993
Class: 3
Packaging group: III

Material Safety Data Sheet

15. Regulatory Information

Classification in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3.

Hazardous components which must be listed on the label:

Fluroxypyr 1-methyl heptyl ester
Solvent aromatic naphthas
Alkyl Aryl Sulfonate

Symbol(s):	Xn N	Harmful Dangerous for the environment
R phrases:	R10 R36/37/38 R51/R53 R43 R65 R67	Flammable Irritating to eyes, respiratory system and skin Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause sensitisation by skin contact Harmful: may cause lung damage if swallowed Vapours may cause drowsiness and dizziness
S phrases:	S2 S13 S20/21 S23 S36/39 S62	Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Do not breathe spray Wear suitable protective clothing and eye/face protection. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

Designated name: HATCHET XTRA (contains Fluroxypyr 1-methylheptyl ester 288g/l)

This product is covered by the Control of Pesticides Regulations, 1986, and is labelled accordingly (MAPP 12524).

Material Safety Data Sheet

16. Other Information

Health and Environmental Hazards:

Text of R phrases mentioned in Section 2

R phrases:	R10	Flammable
	R36/37/38	Irritating to eyes, respiratory system and skin
	R51/R53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R41	Risk of serious damage to eyes
	R43	May cause sensitisation by skin contact
	R65	Harmful: may cause lung damage if swallowed
	R67	Vapours may cause drowsiness and dizziness

Recommended Uses: Agricultural Herbicide

Recommended Restrictions: Refer to statutory conditions on approved product label

Further information:

Date of First Issue: 5th January 2007

Disclaimer:

The information contained in this MSDS is designed to give general health and safety guidance on the storage and transport of the substance/preparation to which it relates. Requirements arising from a Risk Assessment of the substance/preparation in a particular working environment should take precedence over any of the guidance contained in this MSDS where there is a difference in the information given. The information contained in this MSDS is accurate at the date of publication and will be updated as and when appropriate. Liability will not be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this MSDS.

Compiled in accordance with EC Directive 91/115/EEC and subsequent amendments EC directives 93/112/EEC and 2001/58/EC.