



SAFETY DATA SHEET

according to regulation (EC) no 1907/2006

Pixie

Version 4 (UK)

Issue date 06/09/2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : **Pixie**

Usage : herbicide

Company : Nufarm UK Limited
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Wyke
Bradford
West Yorkshire BD12 9EJ
United Kingdom

Telephone : +44 (0)1274 691234
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Emergency telephone : **+44(0)1274 696603**

2. HAZARDS IDENTIFICATION

Harmful if swallowed.
Risk of serious damage to eyes.
May cause sensitization by skin contact
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : suspension concentrate (SC)
Mecoprop-P (500 g/l), Diflufenican (33.3 g/l)

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrase(s)	Concentration (w/w)
Mecoprop-P K	66423-05-0		Xn, N	R22, R41, R51/53	48.2 %
Diflufenican	83164-33-4			R52/53	2.6 %
4-chloro-o-cresol	1570-64-5	216-381-3	T, C, N	R23, R35, R50	0.1 %

4. FIRST AID MEASURES

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin contact : Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Inhalation : Move out of dangerous area. Call for a physician.

Ingestion : Do NOT induce vomiting. Clean mouth with water and drink



afterwards plenty of water. Call a physician immediately.

Notes to physician

Treatment : Treat symptomatically. If ingested, irrigate the stomach using activated charcoal in addition. As the elimination occurs via the kidneys a dialyse is appropriate.

5. FIRE-FIGHTING MEASURES

- Specific hazards during fire fighting : In the event of fire (HCl,Cl₂,NO_x,CO_x,HF) may be formed.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Suitable extinguishing media : Water spray, Carbon dioxide (CO₂), Dry powder, Alcohol-resistant foam
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear personal protective equipment. (see Chapter 8)
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable containers for disposal.
- Additional advice : Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Handling

Safe handling advice : Wear personal protective equipment.

Storage

Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a cool, well-ventilated place.



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Advice on common storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Storage stability

Storage temperature : > 0 °C
: < 30 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed. Respirator with combination filter for vapour/particulate (EN 141).

Hand protection : Impervious gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : impervious clothing

Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

Protective measures : Avoid contact with skin, eyes and clothing. Keep working clothes separately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : liquid
Form : suspension concentrate (SC)
Colour : beige
Odour : very faint

Other data

Melting point/range : no data available

Boiling point/boiling range : 100 °C

Flash point : > 100 °C

Density : 1.245 g/cm³



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Water solubility : partly miscible

pH : 7.9
at 10 g/l (23 °C)

Partition coefficient: n-
octanol/water : log POW = 0.02
at 20 °C

(pH 7), (MCP-P)

log POW = 4.2

(Diflufenican)

Viscosity, dynamic : 44 mPa.s

10. STABILITY AND REACTIVITY

Conditions to avoid : No decomposition if stored and applied as directed.

Materials to avoid : Strong acids and strong bases

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: > 2,000 mg/kg

Acute dermal toxicity : LD50 rat
Dose: > 2,000 mg/kg

Skin irritation : rabbit
Result: No skin irritation

Eye irritation : rabbit
Result: Irritating to eyes.

Sensitisation : Buehler Test
Result: Causes sensitization.



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12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50 *Oncorhynchus mykiss* (Rainbow trout)
Dose: > 80 mg/l
Testing period: 96 h

Toxicity to daphnia : EC50 *Daphnia*
Dose: > 80 mg/l
Testing period: 48 h

Toxicity to algae : IC50 Toxicity to algae
Dose: 0.31 mg/l
Exposure time: 96 h

13. DISPOSAL CONSIDERATIONS

Product : Dispose of product and packaging in accordance with The Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.

Contaminated packaging : Do not dispose with household waste. Do not re-use empty containers. Dispose at licensed waste disposal site capable of accepting pesticides in compliance with applicable regulations. according to EC directive 94/62/EC

According to European Directive 2000/532/EC as amended :

Waste Key Number : 02 01 08 (agrochemical waste containing dangerous substances)

14. TRANSPORT INFORMATION

UN-Number : **3082**

Description of the goods : UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.*(mecoprop-P)

ADR/RID

Class : 9



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Packaging group : III

IMDG

Class : 9
Packaging group : III
Marine pollutant : Y

IATA-DGR

Class : 9
Packaging group : III

15. REGULATORY INFORMATION

Symbol(s) : Xn Harmful
N Dangerous for the environment

R-phrases : R22 Harmful if swallowed.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : **S26** **In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**
S35 This material and its container must be disposed of in a safe way.
S37 Wear suitable gloves.
S39 Wear eye/face protection.
S57 Use appropriate container to avoid environmental contamination.

Further information : Handle in accordance with good industrial hygiene and safety practice.

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.



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16. OTHER INFORMATION

Print Date : 09/06/2010

(Alterations are indicated in the left hand margin by: ||)

Full text of any R phrases referred to under heading 3:

- R22 - Harmful if swallowed.
- R41 - Risk of serious damage to eyes.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R23 - Toxic by inhalation.
- R35 - Causes severe burns.
- R50 - Very toxic to aquatic organisms.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.