

PRODUCT SAFETY DATA SHEET

HEADLAND POLO

1. Identification of the Preparation and the Company

Trade Name: HEADLAND POLO

A herbicide for use in agriculture and horticulture

Company Identification:

Headland Agrochemicals Ltd.

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2. † Hazards:

Harmful if swallowed.

Irritating to respiratory system

Risk of serious damage to eyes

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EU Classification Xn (Harmful)

3. † Composition:

Ingredient	CAS No	Conc'n	Class'n	Risk Phrases
2,4-D as dimethyl-amine salt	2008-39-1	35.27% w/w	Xn,N	R22,41,43,50,53
MCPA as Dimethyl-amine salt	2039-46-6	30.74% w/w	Xn	R20/21/22

4. † First Aid Measures:

Eyes: Irrigate gently with clean water for at least 15 minutes and seek medical advice immediately.

Skin: Remove contaminated clothing. Wash the area immediately with clean gently flowing water for 10 minutes, Repeat the skin decontamination process until all signs of chemical have gone. Seek medical advice if any irritation or redness persists.

Ingestion: Wash out mouth with water
Keep patient at rest and obtain medical attention/send to hospital immediately. Do NOT induce vomiting.

Guide to

Doctor: Treat symptomatically.

5. † Fire Fighting Measures

Headland Polo will not burn. If involved in a fire, decomposition fumes and vapours will be toxic and may contain chlorine, hydrochloric acid and oxides of carbon and nitrogen. Fire fighters should wear breathing apparatus. Use dry chemical, foam, water spray, carbon dioxide, sand or earth. Prevent entry of the product or contaminated water into watercourses ditches or drains by bunding the area with sand or earth if possible. Use a water spray to cool exposed containers.

6. † Accidental Release (Spillage)

Wear suitable protective clothing (see Section 8). Remove contaminated clothing immediately. Do not eat drink or smoke. Keep bystanders away. Recover gross spillage by pumping using an explosion-proof pump or absorb small quantities onto a suitable absorbent (sand or earth). Transfer to a labelled container for removal to a safe place for disposal as hazardous waste. Flush the area with plenty of water when all the spillage has been removed. Prevent the spillage from entering watercourses or drains. Inform the authorities if contamination of watercourses or drains is threatened or occurs. Do not return spills to original containers for re-use.

7. Storage and Handling

Keep in original container, tightly closed.
Keep cool and dry in a suitable agricultural chemical store under lock and key. The floor of the storage area must be impermeable to prevent escape of liquid. Keep away from food, drink and animal feedingstuffs and out of reach of children.
Avoid contact with skin, eyes or clothing. Avoid breathing vapours.

8. † Personal Protection

Wear coveralls, suitable protective clothing, suitable protective gloves (PVC or nitrile rubber) and face-shield to BS2092 when handling the concentrated product or contaminated surfaces and dealing with spillages. Wear suitable respiratory equipment in cases of insufficient ventilation.
Decontaminate all personal protective equipment after use.

9. † Physical and Chemical Properties

Appearance:	a clear yellowish liquid
Odour:	characteristic faint amine odour
pH:	8.6
Specific Gravity:	1.192 at 20°C
Vapour pressure:	Negligible
Boiling point/range:	>100°C
Flashpoint:	>200°C

10. † Stability and Reactivity

Stability: Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions. Avoid excessive heat.
Reactivity: Avoid contact with strong bases.

11. † Toxicological Information

Acute Toxicity:

Acute oral LD50:	553 mg/kg.bw (rat) (MCPA DMA) 549 mg/kg.bw (rat) (2,4-D DMA)
Acute dermal LD50:	>2000 mg/kg.bw (rabbit) (MCPA DMA) >4000 mg/kg.bw (rabbit) (2,4-D DMA)
Inhalation LC50:	>5.9 mg/l (rat) (MCPA DMA) >5.01 mg/l (rat) (2,4-D DMA)
Skin irritation:	Non-irritant (rabbit)
Eye irritation:	Severe eye irritant (rabbit) (2,4-D DMA)
Allergic sensitisation:	Not a sensitiser (guinea-pig)

12. † Environmental Protection

Harmful to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container.

LC50 (96 hour):	Rainbow trout 50 mg/litre (MCPA) Fathead minnow 100 mg/litre (2,4-D)
EC50 (48-hour):	<i>Daphnia</i> 190 mg/litre (MCPA) <i>Daphnia</i> 100 mg/litre (2,4-D)
EC50 (96-hour):	Algae 24.2 mg/litre (2,4-D) Algae >392 mg/litre (MCPA)

Behaviour in soils: Fairly mobile but rapidly degraded in soils
DT50= <24 days (MCPA), 13.6 days (2,4-D) under aerobic conditions).
Low bioaccumulation potential.

13. † Disposal of Unwanted Product and Used Containers

Consult the local authorities before disposing of unwanted chemical.
Triple-rinse containers and dispose of as permitted by local authorities. Do not re-use containers for any purpose.

14. Transport Information

Road Transport:	Environmentally hazardous liquid
UN Number:	3082
Proper Shipping Name:	Environmentally hazardous substances, liquid, N.O.S (Contains 2,4-D 360 gm/litre)
UN Class:	9
CPL Packing Group:	III
ADR/RID Description:	Marine pollutant
IMDG Class:	9 MP

15. † Regulatory Information

Hazard Symbol:	Harmful Xn
Risk Phrases:	
R20	Harmful if swallowed
R37	Irritating to respiratory system
R41	Risk of serious damage to eyes
R52/53	Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
Safety Phrases:	
S2	Keep out of reach of children

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S38	In case of insufficient ventilation wear suitable respiratory equipment.
S39	Wear eye/face protection
S57	Use appropriate containment to avoid environmental contamination.
SP1	Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Note: Contains 2,4-D. May cause an allergic reaction.

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.

Headland Polo is approved by the Chemicals Regulation Directorate for use as a herbicide

Registration No. MAPP 14933

Headland is a registered trademark.

Polo is a trademark

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