

PRODUCT SAFETY DATA SHEET

TRINITY

1. Identification of the Preparation and the Company

Trade Name: HEADLAND TRINITY

A herbicide for use in agriculture and horticulture

Contact Points:

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2. † Hazards:

Harmful by inhalation, in contact with skin and if swallowed. Irritating to skin. Risk of serious damage to eyes. Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. EU Classification Xn (Harmful), N (Dangerous for the Environment).

3. † Composition:

Ingredient	CAS No	Conc'n	Class'n	Risk Phrases
CMPP-P	16484-77-8	50 g/l	Xn, N	R22, 38,41 R51/53
MCPA	5221-16-9	315 g/l	Xn, N	R20/21/22, 36 R50/53
Dicamba	10007-85-9	18 g/l	Xn, Xi	R36, R52/53

4. † First Aid Measures:

Eyes: Irrigate gently with clean water for at least 15 minutes. Send to hospital without delay

Skin: Remove contaminated clothing. Wash thoroughly with plenty of clean gently flowing water.

Seek medical attention if any irritation or redness persists.

Ingestion: Check breathing and heartbeat and give cardiac massage/artificial respiration if necessary.

If conscious, give plenty of water to drink. Do not induce vomiting.

Keep patient at rest and obtain medical attention/send to hospital immediately.

Inhalation: Remove from exposure and provide maximum ventilation

If unconscious, secure airway and place in recovery position

If heart-beat is absent, give external cardiac compression

If there is coughing or difficulty breathing, keep at rest in a position of maximum comfort

If there is cyanosis (blueness of lips) administer oxygen by facemask. Send to hospital without delay.

5. † Fire Fighting Measures

Headland Trinity will not burn. If involved in a fire, decomposition fumes and vapours will be toxic and include oxides of carbon and nitrogen, hydrogen chloride and chlorine. Fire fighters should wear breathing apparatus.

Extinguishing media: Use dry chemical, foam, water spray, carbon dioxide, sand or earth. Avoid high-pressure water jets. Prevent entry of the product or contaminated water into watercourses ditches or drains by bunding the area with sand or earth if possible.

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). Trinity to a labelled container for later 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 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 feedingstuffs and out of reach of children.

Protect from frost. Store above 5°C. Do not store in direct sunlight.

8. Personal Protection

Wear coveralls, suitable protective gloves (chemical-resistant gloves to EN374/1994), face-shield to BS2092 and rubber boots when handling the concentrated product or contaminated surfaces and dealing with spillages.

Avoid breathing the spray mist when using.

Decontaminate all personal protective equipment after use.

Occupational Exposure Limits: none established.

9. † Physical and Chemical Properties

Appearance:	a clear yellowish liquid
Odour:	characteristic, phenolic
Boiling point/range:	>100°C
Flashpoint:	>100°C
Autoignition temp.:	>600°C
Flammability:	Not flammable in normal handling
Explosivity:	Not explosive
Oxidising properties:	Not an oxidiser
Vapour pressure:	Negligible
Solubility:	Completely soluble in water

Specific Gravity: 1.17
pH: 8.5
Viscosity (dynamic): 7.7 mPa.s

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, strong bases and strong oxidisers. May corrode aluminium and zinc. Avoid extremes of temperature.

Decomposition: may generate oxides of carbon and nitrogen and hydrogen chloride if heated to decomposition.

11. † Toxicological Information

Acute Toxicity:

Acute oral LD50 (rat): 962 mg/kg.bw (MCPA)
431-1050 mg/kg.bw (mecoprop-p)
1707 mg/kg.bw (dicamba)

Acute dermal LD50 (rat): >4000 mg/kg.bw (MCPA)
>4000 mg/kg.bw (mecoprop-p)
>2000 mg/kg.bw (dicamba)

Acute Inhalation LC50 (rat): >6.36 mg/l over 4 hours (MCPA)
>5.6 mg/l over 4 hours (mecoprop-p)
4.46 mg/l over 4 hours (dicamba)

Irritancy: Irritating to skin. Risk of serious damage to eyes.

Allergic sensitisation: Not a sensitiser

12. † Environmental Protection

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

Toxicity to:

Fish: 96-hour LC50: >100 mg/l (mecoprop-p)
>50 mg/l (MCPA)
135.4 mg/l (dicamba)

Daphnia: 48-hour EC50: >91 mg/l (mecoprop-p)
>190 mg/l (MCPA)
110.7 mg/l (dicamba)

Algae: 72-hour EC50: 16.2 mg/l (mecoprop-p)
57 mg/l (MCPA)
>3.7 mg/l (dicamba)

Toxicity to bees: Non-toxic to bees

13. Disposal of Unwanted Product and Used Containers

Consult the local authorities before disposing of unwanted chemical. It is recommended that the chemical is mixed with a combustible solvent and burned in a chemical incinerator equipped with an afterburner and scrubber. Dispose of containers as permitted by local authorities. Do not re-use containers for any purpose.

14. **Transport Information**

Road Transport:	Not hazardous
UN Number:	None
Proper Shipping Name:	None
UN Class:	Not classified
CPL Packing Group:	None
ADR/RID Description:	Not applicable
IMDG Class:	Not classified

15. † **Regulatory Information**

Hazard Symbol: Harmful Xn, Dangerous for the Environment N

Risk Phrases:

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment

Safety phrases:

S2	Keep out of reach of children
S25	Avoid contact with eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39	Wear suitable protective clothing, suitable gloves and eye/face protection
S46	If swallowed seek medical advice immediately and show this container or label
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.

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

Registration No. MAPP 10842

Headland is a registered trade mark.

Trinity is a trade mark

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