

**PRODUCT SAFETY DATA SHEET**

**HEADLAND RELAY TURF  
MAPP 08935  
A herbicide for amenity horticulture and managed amenity turf**

**1. Marketed by:**

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**2. Composition:**

<b>Ingredient</b>	<b>CAS No</b>	<b>Concentration</b>	<b>Classification</b>	<b>Risk Phrases</b>
CMPP-P	16484-77-8	200g/l	Xn, Xi	R20/22, 38, 41
MCPA	2039-46-5	200g/l	Xn, Xi	R20/22, 41
Dicamba	10007-85-9	25g/l	Xn, Xi	R20/22, 41
PCOC	1570-64-5	<2g/l	T+, C	R26/27/28, 35

**3. Hazards:**

**3.1 Classification of Preparation:**

HARMFUL  
IRRITANT

**3.2 Primary Hazards**

Harmful if swallowed. Irritating to skin and eyes.

<b>4. First Aid Measures:</b>	
<b>4.1 Eyes:</b>	Irrigate gently with clean water for at least 15 minutes. Send to hospital without delay.
<b>4.2 Skin:</b>	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if any irritation persists.
<b>4.3 Ingestion:</b>	Check breathing and heartbeat and give cardiac massage / artificial respiration if necessary. If conscious, give two glasses of water to drink. Keep patient at rest and obtain medical attention / send to hospital.
<b>4.4 Inhalation:</b>	Remove from source of exposure into fresh air. 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 a hospital without delay.
<b>5. Fire Fighting Measures:</b>	
<b>5.1 Suitable Extinguishing Media</b> The product will not burn. Use dry chemical, foam, water spray, sand or earth.	
<b>5.2 Unsuitable Extinguishing Media</b> As appropriate for surrounding fire.	
<b>5.3 Special Hazards, Combustion or By-Products</b> If involved in a fire, fumes and vapours may be harmful. Prevent entry of the product or contaminated water into watercourses, ditches or drains.	
<b>5.4 Protective Clothing for Fire Fighting</b> Suitable protective clothing and breathing apparatus.	
<b>6. Accidental Release (Spillage):</b>	
<b>6.1 Personal Precautions</b> Wear suitable protective clothing (See section 8). Remove contaminated clothing immediately. DO NOT eat, drink or smoke. Keep bystanders away.	
<b>6.2 Environmental Precautions</b> Prevent entry of the product or contaminated water into watercourses, sewers or drains. Inform the proper authorities if gross contamination of water is threatened or occurs.	
<b>6.3 Clean &amp; Disposal Methods</b> Recover gross spillage by pumping using an explosion-proof pump or absorb small quantities onto a suitable absorbant (sand or earth). Transfer to a container for later removal to a safe place for disposal. Flush the area with plenty of water when all the spillage has been removed.	

## **7. Storage and Handling:**

### **7.1 Practical Precautions and Engineering Controls for Safe Handling**

Wash hands and exposed skin before meals and after work.

### **7.2 Conditions and Quantity Limits for Safe Storage**

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 feeding stuffs and out of reach of children. Avoid contact with skin. Eyes or clothing. Avoid breathing vapors.

## **8. Personal Protection:**

### **8.1 Exposure Limit Values**

None assigned.

### **8.2 Occupational Exposure Controls**

Decontaminate all personal protective clothing thoroughly after use especially the insides of gloves.

### **8.3 Personal Protective Equipment**

Wear coveralls, suitable protective gloves and faceshield to BS2092 when handling the concentrated product or contaminated surfaces and dealing with spillages. Avoid breathing the spray mist when using.

**9. Physical and Chemical Properties:**

<b>9.01 Appearance:</b>	A clear brown liquid
<b>9.02 Odour:</b>	Characteristic, phenolic
<b>9.03 pH:</b>	9 – 11
<b>9.04 Boiling Point / Range:</b>	>100oC
<b>9.05 Flash Point / Flammability:</b>	Not applicable
<b>9.06 Explosive Properties:</b>	Not classified as explosive
<b>9.07 Oxidising Properties:</b>	Not classified as oxidizing
<b>9.08 Vapour Pressure:</b>	Negligible
<b>9.09 Relative Density:</b>	Specific gravity – 1.245 to 1.275
<b>9.10 Solubility:</b>	Completely soluble in water
<b>9.11 Partition Coefficient:</b>	Not applicable
<b>9.12 Viscosity:</b>	Not stated
<b>9.13 Vapour Density:</b>	Not applicable
<b>9.14 Evaporation Rate:</b>	Not applicable

**10. Stability and Reactivity:**

- 10.1 Materials to Avoid:**  
Avoid contact with acids. May corrode aluminium and zinc.
- 10.2 Conditions to avoid:**  
None known.
- 10.3 Hazardous Decomposition Products:**  
Decomposition may generate oxides of carbon and nitrogen and hydrogen chloride.

<b>11. Toxicological Information:</b>	
<b>Acute Oral LD50:</b>	>847mg/kg.bw (rat)
<b>Acute Dermal LD50:</b>	>1570mg/kg.bw (rat)
<b>Inhalation LC50:</b>	>4.8mg/l for 4 hours (rat)
<b>Irritancy:</b>	Irritating to skin and eyes
<b>12. Environmental Protection:</b>	
<b>12.1 Ecotoxicity:</b>	
Harmful to fish or other aquatic life.	
LC50 (96 hour):	Rainbow Trout      240-750mg/l
	Carp                      >240mg/l
	Bluegill                 >135mg/l
<b>12.2 Mobility:</b>	
DO NOT contaminate surface waters or ditches with chemical or used containers.	
<b>12.3 Persistence and Degradability:</b>	
Not known.	
<b>12.4 Bioaccumulative Potential:</b>	
Not known.	
<b>13. Disposal of Unwanted Product and Used Containers:</b>	
<b>13.1 Disposal of Used Preparation:</b>	
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.	
<b>13.2 Disposal of Packaging:</b>	
Dispose of containers by burning or as permitted by local authorities. DO NOT re-use containers for any purpose.	

<b>14. Transport Information</b>	
<b>Road Transport Class:</b>	NOT hazardous
<b>UN Number:</b>	None
<b>Proper Shipping Name:</b>	Not applicable
<b>CPL Packing Group:</b>	Not applicable
<b>IMDG Class:</b>	Not applicable
<b>15. Regulatory Information:</b>	
<b>Risk Phrases:</b>	HARMFUL IRRITANT
<b>R21/22:</b>	Harmful in contact with skin and if swallowed.
<b>R38:</b>	Irritating to skin.
<b>R41:</b>	Risk of serious damage to eyes.
<b>Safety Phrases:</b>	
<b>S26:</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>S36/39:</b>	Wear suitable protective clothing and eye/face protection.
<b>16. Other Information:</b>	
<p>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.</p>	