



headland  
AMENITY PRODUCTS

## PRODUCT SAFETY DATA SHEET

### BLASTER MAPP 13267

A herbicide for amenity horticulture

#### 1. Marketed by:

Headland Amenity Ltd,  
1010 Cambourne Business Park,  
Cambourne  
Cambridgeshire  
CB23 6DP  
Tel : 01223 597834  
Fax - 01223 598052  
e-mail [info@headlandamenity.com](mailto:info@headlandamenity.com)

#### 2. Composition:

THIS PREPARATIONS IS CLASSIFIED AS DANGEROUS UNDER DIRECTIVE 2001/59/EC

Hazardous Components	CAS No.	EC No.	Concentration	Classification
Clopyralid	001702-17-6	216-935-4	5.8%	Xi; R41, N; R51/53
Triclopyr-2-butoxyethyl ester	064700-56-7	265-024-8	32.3%	Xn,N; R22, R43, R50/53
N-Methyl-2-pyrrolidone	000872-50-4	212-828-1	<5%	Xi; R36/38
Calcium dodecylbenzenesulphonate	26264-06-2	247-557-8	<5%	C; R34
Solvent naptha (petroleum), heavy aromatic	64742-94-5	265-198-5	<5%	Xn,N; R51/53, R65, R66
Solvent naptha (petroleum), light aromatic	64742-95-6	265-199-0	40-50%	XN,N; R10, R37, R51/53, R65, R66, R67

### 3. Hazards:

#### 3.1 Classification of Preparation:

FLAMMABLE



HARMFUL IF SWALLOWED  
IRRITANT



TOXIC TO AQUATIC ORGANISMS

#### 3.2 Primary Hazards

MAY CAUSE LUNG DAMAGE IF SWALLOWED. VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

### 4. First Aid Measures:

#### 4.1 Eyes:

Irrigate gently with clean water for at least 15 minutes. Send to hospital without delay. Continue to wash eyes en route if possible..

#### 4.2 Skin:

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if irritation or redness persists.

#### 4.3 Ingestion:

Keep patient at rest and obtain medical attention / send to hospital immediately. DO NOT induce vomiting. The decision whether to induce vomiting or not should be made by the attending doctor.

#### 4.4 Inhalation:

Remove from source of exposure into fresh air. Consult a physician.

Note to Doctor:

There is no specific antidote to this product. 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 should be symptomatic.

## **5. Fire Fighting Measures**

### **5.1 Suitable Extinguishing Media**

Dry chemical, foam, water spray, carbon dioxide, sand or earth. Keep containers cool by spraying with water.

### **5.2 Unsuitable Extinguishing Media**

As appropriate for surrounding fire

### **5.3 Special Hazards, Combustion or By-Products**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Keep containers cool by spraying with water. Contain run-off to prevent entry into water or drainage systems.

### **5.4 Protective Clothing for Fire Fighting**

Suitable protective clothing and self-contained breathing apparatus.

## **6. Accidental Release (Spillage)**

### **6.1 Personal Precautions**

Wear appropriate safety clothing and eye/face protection.

### **6.2 Environmental Precautions**

DO NOT wash excessive spillages into water courses. If this product enters water course or sewer (including via contaminated soil and vegetation), contact local agency and/or police immediately. DO NOT burn.

### **6.3 Clean & Disposal Methods**

Soak up with sand or other non-combustible absorbent material and place into containers for disposal. For large spills, barricade area and consult manufacturer. Flush the area with plenty of water when all the spillage has been removed. If further assistance is required, telephone the emergency contact number.

## 7. Storage and Handling

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

Use good personal hygiene. DO NOT consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist.

### 7.2 Conditions and Quantity Limits for Safe Storage

Store in a cool, dry, well ventilated place in original, labelled containers. Protect from excessive heat and cold. DO NOT store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers. Keep out of reach of children. Containers, even those that have been emptied, can contain vapours. DO NOT cut, drill, grind, weld or perform similar operations on or near empty containers.

## 8. Personal Protection

### 8.1 Exposure Limit Values

Clopyralid:	Manufacturer's IHG	10mg/m <sup>3</sup>
Triclopyr butoxyethyl ester:	Manufacturer's IHG	2mg/m <sup>3</sup> (skin)
Solvent naphtha (petroleum), light aromatic:	Supplier's recommendation	19ppm
1-methyl-2-pyrrolidone:	TWA	103mg/m <sup>3</sup> (25ppm)
STEL:		309mg/m <sup>3</sup> (75ppm)

Can be absorbed through the skin

### 8.2 Occupational Exposure Controls

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

### 8.3 Personal Protective Equipment

Use coveralls and chemical resistant gloves classified under standard EN 374

## 9. Physical and Chemical Properties

<b>9.01 Appearance:</b>	A clear dark red-brown liquid
<b>9.02 Odour:</b>	Characteristic
<b>9.03 pH:</b>	1.42
<b>9.04 Boiling Point / Range</b>	>100°C (solvent)
<b>9.05 Flash Point / Flammability:</b>	Not classified as flammable
<b>9.06 Explosive Properties:</b>	Not classified as explosive
<b>9.07 Oxidising Properties:</b>	Not classified as oxidising
<b>9.08 Vapour Pressure:</b>	Not applicable
<b>9.09 Relative Density:</b>	Specific gravity: 1.10
<b>9.10 Solubility:</b>	Completely miscible in water
<b>9.11 Partition Coefficient:</b>	Not applicable
<b>9.12 Viscosity:</b>	Not applicable
<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 strong acids, bases and oxidising agents.

### 10.2 Conditions to avoid:

None known

### 10.3 Hazardous Decomposition Products:

May generate oxides of carbon and nitrogen and hydrogen chloride if heated to decomposition.

## 11. Toxicological Information

<b>Acute Oral LD50:</b>	1820mg/kg.bw (male rat)
<b>Acute Dermal LD50:</b>	>2000mg/kg.bw (rat)
<b>Inhalation LC50:</b>	No data but high concentrations may irritate the respiratory tract.
<b>Irritancy:</b>	Irritating to skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.

## 12. Environmental Protection

### 12.1 Ecotoxicity:

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

### 12.2 Mobility:

No specific data available

### 12.3 Persistence and Degradability:

Rapidly degraded in soils ( $t_{50}$  = 12-62 days) by hydrolysis and by microbial action.

### 12.4 Bioaccumulative Potential:

Low potential for bioaccumulation

## 13. Disposal of Unwanted Product and Used Containers

### 13.1 Disposal of Used Preparation:

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..

### 13.2 Disposal of Packaging:

Dispose of containers by burning or as permitted by local authorities. DO NOT re-use containers for any purpose.

## 14. Transport Information

<b>Road Transport Class:</b>	Environmentally hazardous liquid
<b>UN Number:</b>	3082
<b>Proper Shipping Name:</b>	Environmentally hazardous substances, liquid, N.O.S (Contains triclopyr 30%)
<b>UN Class:</b>	9
<b>CPL Packing Group:</b>	III
<b>ADR/RID Description:</b>	Marine pollutant
<b>IMDG Class:</b>	9

## 15. Regulatory Information

### Hazard Symbol:



Harmful If Swallowed  
Irritant



Marine Pollutant

### Risk Phrases:

<b>R22:</b>	Harmful if swallowed
<b>R10:</b>	Flammable
<b>R34:</b>	Causes burns
<b>R36/38:</b>	Irritating to eyes and skin
<b>R37:</b>	Irritating to respiratory system
<b>R41:</b>	Risk of serious damage to eyes
<b>R43:</b>	May cause sensitisation by skin contact
<b>R50/53:</b>	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<b>R65:</b>	Harmful: may cause lung damage if swallowed
<b>R66:</b>	Repeated exposure may cause skin dryness or cracking
<b>R67:</b>	Vapours may cause drowsiness and dizziness

## 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 is a registered trademark of Headland Agrochemicals  
Blaster is a registered trademark and product of Dow Agrosciences LLC