

# CLAYTON

PLANT PROTECTION

## PROPEL FLO SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

Propel Flo MAPP 15044  
For use only as an agricultural/horticultural/forestry herbicide.

#### Marketing company

Clayton Plant Protection (UK) Ltd.,  
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### 2. HAZARDS IDENTIFICATION

**Human** Limited evidence of a carcinogenic effect  
**Environmental** Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                     |            |               |       |             |
|---------------------|------------|---------------|-------|-------------|
| Propyzamide         | 35.4 % w/w | CA 23950-58-5 | Xn, N | R 40, 50/53 |
| Propane-1,2-diol    | 1-10 % w/w | CA 57-55-6    | -     | -           |
| Other co-formulants | to 100 %   | -             | -     | -           |

### 4. FIRST AID

Remove all contaminated clothing.

**Eyes:** flush immediately with plenty of water for 15 minutes. Seek medical attention if irritation persists.

**Skin:** wash exposed skin and hair immediately with water, then with soap and water. If the patient feels unwell, seek medical advice.

**Inhalation:** remove to fresh air and keep warm; seek immediate medical attention.

**If swallowed:** do not induce vomiting; rinse mouth with water; seek immediate medical attention and show the container label or this datasheet.

### 5. FIRE FIGHTING

Wear full protective clothing, goggles and respirator. Call fire brigade for all but small, immediately controllable fires. Product is not ordinarily flammable but packaging will burn. Toxic fumes may be released on heating. Keep containers cool by spraying with water. Extinguish source of fire, preferably with dry inert powder, foam, carbon dioxide or water fog. Do not use a water jet. Contain fire-fighting water, bunding as necessary.

### 6. ACCIDENTAL RELEASE

Wear coverall, face protection, rubber boots and suitable protective gloves. Contain spillage, particularly to prevent contamination of water. Inform local water plc immediately if spillage enters drains. Inform Environment Agency/Scottish Environment Protection Agency if spillage enters surface or ground waters. Absorb spillage in sand or earth. Collect all contaminated material and place in covered, labelled containers for disposal. Do not flush with water.

### 7. HANDLING AND STORAGE

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

Keep in original container, tightly closed, in a safe place.

Store in a cool, dry place out of direct sunlight. Protect from frost.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective clothing and gloves.

When using do not eat, drink or smoke.

Wash hands before meals and after work.

Occupational exposure standards for co-formulant: Propane-1,2-diol  
Long-term exposure limit (8-hour TWA ref. period)  
vapour and particulates: 150 ppm or 474 mg m<sup>-3</sup>  
particulates only = 10 mg m<sup>-3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: off-white liquid  
Odour: faint  
Flash point: not flammable  
Oxidising properties: none  
pH (product): 7.6  
Density: 1.13 g/ml at 20°C  
Water solubility: product is miscible with water in all proportions

## 10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures. Keep in original packaging.

## 11. TOXICOLOGY

|  |  |
|--|--|
| Acute oral LD <sub>50</sub> for rat:   | >2000 mg/kg.   |
| Acute dermal LD <sub>50</sub> for rat: | >2000 mg/kg.   |
| Acute inhalation:                      | Not determined; not hazardous when handled and used as directed. |
| Eye irritation:                        | Mild irritant  |
| Skin irritation:                       | Not irritating   |
| Skin sensitisation:                    | Negative   |

## 12. ECOLOGICAL INFORMATION

Data for propyzamide active ingredient

|   |            |
|---|------------|
| LC <sub>50</sub> (96-hour) for rainbow trout: | > 4.7 mg/l |
| Algae EC <sub>50</sub> (120-hour):            | 0.83 mg/l  |
| Daphnia EC <sub>50</sub> (48-hour):           | > 5.6 mg/l |

## 13. DISPOSAL

Product: dispose of via an authorised disposal contractor.  
Containers: dispose of via an authorised disposal contractor.  
Consult also 'Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings' (DEFRA/HSE).

## 14. ROAD AND RAIL TRANSPORT

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains propyzamide).  
UN 3082, Class 9, Packing group III

## 15. REGULATORY INFORMATION



Xn HARMFUL

Contains 400 g/l propyzamide  
R40 Limited evidence of a carcinogenic effect



N DANGEROUS  
FOR THE  
ENVIRONMENT

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S2 Keep out of the reach of children.  
S13 Keep away from food, drink and animal feedingstuffs.  
S35 This material and its container must be disposed of in a safe way.  
S36/37 Wear suitable protective clothing and gloves.

The product is approved under the Plant Protection Products Regulations (as amended).  
The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of the product at work.

## 16. OTHER INFORMATION

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