



# SUPERWAY GARDEN AG & PEST PRODUCTS PTY

ABN: 24 056 553 274

Shed 6 - Cnr Roys Rd & Moroney Place  
PO Box 183, Beerwah Q 4519

**Ph: 07 5439 0355**

Fax: 07 5439 0366

Geoff Mobile: 0438 045 824

Steve Mobile: 0438 045 825

Email: [msd@superway.com.au](mailto:msd@superway.com.au)

## MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of NOHSC Australia

### COMPANY DETAILS

Date of Issue: 13/6/2011

**Company:** Superway Garden AG & Pest Products Pty Ltd.

**Address:** Shed 6, Corner Roys Road and Moroney Place, Beerwah Qld 4519.

**Telephone Number:** 07 54390355

**Fax Number:** 07 54390366

### IDENTIFICATION

**Product Name:** **Superway Broadleaf Bindii & Clover Selective Herbicide**

### Physical Description/Properties:

<b>Other Names:</b> n/a	<b>Appearance:</b> A clear Dark Brown Liquid.
<b>Common Name:</b> Bromoxynil /MCPA & Dicamba	<b>Boiling point:</b> Not available
<b>Shipping Name:</b> Not applicable (na)	<b>Specific Gravity:</b> 1.087 kg/L at 20°C
<b>UN Number:</b> Not applicable (na)	<b>Flashpoint (°C):</b> 70 degrees Celsius approx
<b>Dangerous Goods Class:</b> na	<b>Flammability Limits (%):</b> Not available
<b>Subsidiary Risk:</b> na	<b>Solubility in Water:</b> Product emulsifies in water
<b>Packaging Group:</b> na	
<b>Hazchem Code:</b> na	
<b>EPG:</b> na	
<b>Poisons Schedule:</b> S6	

**Use:** For the control of certain broadleaf weeds in turf and wheat, barley, commercial rye, oats, triticale as per the directions for use table.

### Ingredients:

Chemical Entity	CAS Number	Proportion
MCPA present as the ethyl Hexyl ester	29450-45-1	280 g/L
Bromoxynil present as the octanoate	1689 -99-2	140 g/L
Dicamba	1918-00-9	40g/l
Hydrocarbon solvent		10-<30%
Non ionic emulsifiers	non hazardous	to 100%

**HEALTH HAZARD INFORMATION****Health Effects:****Acute:**

**Swallowed:** This product is poisonous if swallowed. Harmful The acute oral LD<sub>50</sub> (rat) (technical MCPA) 90-1160mg/kg; (Technical bromoxyinal octanoate) 365 mg/kg; (technical Dicamba) 1707 mg/kg.

**Eye Contact:** Product will attack the eyes..

**Skin Contact:** Will irritate the skin. Acute percutaneous LD<sub>50</sub> for rats (technical MCPA) > 4000mg/kg; (Technical bromoxyinal octanoate) >1675 2000mg/kg; for Rabbits (technical bromoxyinal octanoate) 1675 mg/kg; (technical Dicamba) > 2000 mg/kg.

**Inhaled:** This product is poisonous if inhaled. Acute inhalation LC<sub>50</sub> (rat) (technical MCPA) = > 6.36 mg/L air /4 hr s. (Technical Dicamba) = 9.6mg/l air/4 hours: (technical Bromoxynil) 0.41 mg/l air / 4hours.

**Other Health Effects** No other known health effects.

**Chronic:** In 24 month period feeding trials (technical MCPA) , the no effect level for rats was 1.3 mg/kg bw/d and for mice was 18 mg/kg/bw/d. In a 90 day feeding period (technical bromoxyinal octanoate), the no effect level for rats was 5.6 mg/kg bw/d and for dogs was 5 mg/kg bw/d. In 2 year feeding trials (technical Dicamba) rats receiving 500mg/kg bw/d and dogs receiving 50 mg/kg bw/d showed no ill effects. Non mutagenic. Non teratogenic.

**FIRST AID** If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 131126).

**Swallowed:** If swallowed and more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF. Get to a doctor or hospital quickly.

**Eyes:** Flush with plenty of water immediately for at least 15 minutes. Seek medical attention.

**Skin:** If on skin or clothing, remove any contaminated clothing at once, and wash skin thoroughly with soap and water. See a doctor if irritation persists.

**Inhaled:** Remove to fresh air and seek medical assistance.

**ADVICE TO DOCTOR:**

No specific antidote known. Treat symptomatically..

**Other First Aid** DO NOT attempt to give anything to a semi-conscious or unconscious person. In case of poisoning by any exposure route, contact a doctor or Poisons Information Centre (telephone 131126)

## PRECAUTIONS FOR USE

**Exposure Standards:** No exposure limit has been assigned to this material. However, the following Standard may apply - Aromatic Hydrocarbons: 100 ppm.

**Engineering Controls:** Use in a well-ventilated area only.

### Personal Protection:

**Work Clothing:** For normal handling wear long sleeve uniform or overalls and head covering. For larger exposures, as in the case of spills, wear full body cover barrier suit, such as rubber rain suit.

**Eye Protection:** Product attacks the eyes when opening the container or where potential for splash, spray or mist exists, wear chemical protective goggles or a full face shield. Emergency eye wash facilities would be located nearby.

**Gloves:** Wear chemical protective gloves made of rubber or neoprene or elbow length PVC gauntlet-style gloves when handling this product. Inspect regularly for leaks.

**Personal Hygiene:** Wash skin before eating, drinking or smoking. Shower at the end of the work day. Wash all clothing after each use.

**Flammability:** COMBUSTIBLE LIQUID.  
Do not use close to ignition sources

## SAFE HANDLING INFORMATION

**Storage & Transport:** Superway Broadleaf Bindii & Clover Selective Herbicide is not classified as a Dangerous Goods under the Australian Code. Store in a cool, dry, well-ventilated location. Avoid excess heat. No smoking, eating or drinking should be allowed where material is used or stored. Keep out of the reach of children and animals. Store in original containers only. Do not locate near or contaminate food or feed by storage or disposal

Product is combustible and must be stored away from naked lights, heat sources and oxidising agents. Observe procedures detailed in Australian Standard AS1940-1988 for flammable and combustible liquids.

**Spills and Disposal:** In the case of spillage, contain and absorb spilled material with absorbent material such as sand, clay or cat litter and dispose of waste as indicated below or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Wear prescribed protective clothing and equipment. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Dispose of drummed wastes, including decontamination solution, in accordance with the requirements of Local or State Waste Management Authorities. Do not cut or weld metal containers. Vapours that form inside may create an explosion hazard.

**1, 2.5 5 20, & 200 Litre Drum:** Triple or preferably pre ssure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

**Fire/Explosion Hazard:**

Extinguishing Media – Extinguish fire using Water, Fog, Foam, Dry agent. Contain all runoff.

Degree of Hazard – Stable under normal conditions of use. No dangerous reaction known under normal conditions of use

**Conditions contributing to Instability.** Extreme Heat and Fire

**Incompatibility:** Compatible with most other chemical compounds.

Special Fire Fighting Procedures - Isolate fire area. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapours generated. Try to keep containers cool with soft stream water fog.

Hazardous Decomposition Products - Carbon monoxide, carbon dioxide, hydrogen chloride, chlorine, fluorine and hydrogen fluoride.

Other Safe Handling. Neutralizing Chemicals not needed.

## OTHER INFORMATION

**Environmental Information:**

Low hazard to bees. Dangerous to Fish.

**DO NOT contaminate** streams, rivers or waterways with the chemical or used containers. LC50 for rainbow trout 232mg/l (technical MCPA-96 hours); 0.15mg/l (technical bromoxynil octanoate-48 hours); 135mg/l (technical dicamba-96 hours).

**DO NOT** apply under meteorological conditions from spraying equipment that could be expected to cause spray drift onto nearby plants. Adjacent crops, croplands or pastures. Avoid spray drift and vapour movement onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals.

Acute oral LD50 for mallard ducks 200 mg/kg (technical Bromoxynil); 2000 mg/kg (technical Dicamba); for bobwhite quail 377 mg/kg (technical MCPA)

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