

Barrettine

SAFETY DATA SHEET

Barrettine Lawn Feed Weed & Mosskiller (MAPP 16873)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Barrettine Lawn Feed Weed & Mosskiller (MAPP 16873)
SDS No: 22620

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier Barrettine
Barrettine Works
St Ivel Way
Warmley
Bristol
BS30 8TY
Tel: 0117 960 0060
Fax: 0117 935 2437
sales@barrettine.co.uk

Manufacturer Hygeia Chemicals Ltd
Carrowmoneash, Cranmore,
Co. Galway, Ireland.
0 (0353) 91 794722
0 (0353) 91 794738
sevices@hygeia.ie

1.4. Emergency telephone number

Emergency telephone +44 (0) 1270 502 891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Eye Irrit. 2 - H319

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Not Classified

2.2. Label elements

Pictogram



Signal word Warning

Barrettine Lawn Feed Weed & Mosskiller (MAPP 16873)**Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P337+P313 If eye irritation persists: Get medical advice/attention.

P102 Keep out of reach of children.

P403+P235 Store in a well-ventilated place. Keep cool.

Supplementary precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local regulations.

2.3. Other hazards**Note:** Classification has been determined from tests on the product as supplied.**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

calcium bis(dihydrogen orthophosphate) CAS number: 7758-23-8 EC number: 231-837-1	10-30%
Classification Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xi;R41.
IRON (II) SULFATE HEPTAHYDRATE CAS number: 7782-63-0 EC number: 231-753-5	10-30%
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Acute Tox. 4 - H302	Classification (67/548/EEC or 1999/45/EC) Xn;R22 Xi;R36/38
MECOPROP-P [1] AND ITS SALTS CAS number: 16484-77-8 EC number: 240-539-0	<=0.5
Classification Eye Dam. 1 - H318 Acute Tox. 4 - H302 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn;R22 Xi;R41 N;R51/53
DICAMBA (ISO) CAS number: 1918-00-9 EC number: 217-635-6	<=0.05%
Classification Eye Dam. 1 - H318 Acute Tox. 4 - H302 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xn;R22 Xi;R41 R52/53

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POTASSIUM HYDROXIDE		<=0.03%
CAS number: 1310-58-3 EC number: 215-181-3 REACH registration number: 01-2119487136-33-XXXX		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Met. Corr. 1 - H290	C;R35 Xn;R22	
Skin Corr. 1A - H314		
Acute Tox. 4 - H302		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Check for contact lenses which must be removed from the eyes before rinsing.
Promptly rinse eyes with plenty of clean water while lifting the eyelids.
Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.
Get medical attention if any discomfort or irritation persists.

4.2. Most important symptoms and effects, both acute and delayed**4.3. Indication of any immediate medical attention and special treatment needed****SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture**5.3. Advice for firefighters****Special protective equipment for firefighters**

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions**6.3. Methods and material for containment and cleaning up****Methods for cleaning up**

Stop leak if possible without risk. Absorb in vermiculite, sand, diatomaceous earth or other inert absorbent material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

6.4. Reference to other sections**SECTION 7: Handling and storage**

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7.1. Precautions for safe handling

Usage precautions

Avoid spilling, skin and eye contact. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

calcium bis(dihydrogen orthophosphate)

Long-term exposure limit (8-hour TWA): COSHH 10 mg/m3 inh. dust 4 mg/m3 resp.dust

IRON (II) SULFATE HEPTAHYDRATE

Long-term exposure limit (8-hour TWA): WEL 1 mg/m3

Short-term exposure limit (15-minute): WEL 2 mg/m3
as Fe

POTASSIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m3

WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

IRON (II) SULFATE HEPTAHYDRATE (CAS: 7782-63-0)

DNEL	Industry - Inhalation; Long term systemic effects: 2.01 mg/m3 Industry - Inhalation; Short term systemic effects: 2.01 mg/m3 Industry - Dermal; Long term systemic effects: 0.57 mg/kg/day Industry - Dermal; Short term systemic effects: 0.57 mg/kg/day Consumer - Inhalation; Long term local effects: 0.5 mg/m3 Consumer - Inhalation; Short term local effects: 0.5 mg/m3 Consumer - Dermal; Short term systemic effects: 0.29 mg/kg/day Consumer - Oral; Short term systemic effects: 0.29 mg/kg/day Professional - Inhalation; Short term systemic effects: 0.29 mg/m3
PNEC	- STP; 500 mg/l - Sediment (Freshwater); 49.5 mg/kg - Sediment (Marinewater); 49.5 mg/kg - Soil; 55.5 mg/kg

POTASSIUM HYDROXIDE (CAS: 1310-58-3)

DNEL	Industry - Inhalation; Long term local effects: 1 mg/m3 Consumer - Inhalation; Long term systemic effects: 1 mg/m3
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8.2. Exposure controls

Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Wear tightly fitting safety goggles conforming to EN 166.

Hand protection

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using

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gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Crystals.

Colour

Brown. Beige.

Odour

Slight.

Solubility(ies)

Soluble in water.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability

Stable under normal conditions of storage and use. See section 7.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Decomposition can lead to the formation of toxic gases or fumes, including carbon monoxide (CO) and carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

2,500.0

Inhalation

Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

Irritating. Symptoms following overexposure may include the following: Nausea, vomiting. Stomach pain.

Skin contact

Liquid may irritate skin.

Eye contact

Irritating to eyes.

Barrettine Lawn Feed Weed & Mosskiller (MAPP 16873)**Toxicological information on ingredients.****POTASSIUM HYDROXIDE****Skin sensitisation**

Buehler test: - Guinea pig: Not sensitising.

Germ cell mutagenicity**Genotoxicity - in vitro**

Bacteria reverse mutation assay (eg Ames test): Negative.

Ingestion

May result in perforation of the oesophagus, accompanied by vomiting blood, diarrhoea, haemolysis, haemoglobinuria and shock. Swallowing concentrated chemical may cause severe internal injury.

Skin contact

Corrosive. Prolonged contact causes serious tissue damage. Not a skin sensitiser.

Eye contact

Risk of serious damage to eyes. Permanent vision impairment even blindness may result.

Route of entry

Ingestion.

SECTION 12: Ecological Information

Ecotoxicity

Not regarded as dangerous for the environment.

Ecological information on ingredients.**POTASSIUM HYDROXIDE****Ecotoxicity**

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity**Ecological information on ingredients.****POTASSIUM HYDROXIDE****Acute toxicity - fish**

LC50, 96 hours: 80 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates

EC₁₀₀, 48 hours: < 1 mg/l, Freshwater invertebrates

12.2. Persistence and degradability**Ecological information on ingredients.****POTASSIUM HYDROXIDE****Persistence and degradability**

The product contains only inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential**Ecological information on ingredients.****POTASSIUM HYDROXIDE**

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

Not applicable.

12.4. Mobility in soil

Barrettine Lawn Feed Weed & Mosskiller (MAPP 16873)**Ecological information on ingredients.****POTASSIUM HYDROXIDE****Mobility**

The product is miscible with water and may spread in water systems.

12.5. Results of PBT and vPvB assessment**Ecological information on ingredients.****POTASSIUM HYDROXIDE**

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects**SECTION 13: Disposal considerations****13.1. Waste treatment methods****General information**

Product is hazardous waste. Do not allow into drains, sewers or water courses.
Disposal must be by means of a licensed waste contractor.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information**General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards**Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).
Control of Substances Hazardous to Health Regulations (as amended). (COSHH) Refer to Revised guidance 6th Edition 2013
<http://www.hse.gov.uk/pubns/priced/l15.pdf>
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009) Management of Health & Safety at Work Regulations 1999.

EU legislation

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EC Regulation 1907/2006 (as amended) : 'REACH'. EC Regulation 1272/2008 (as amended): CLP (Classification, labelling and packaging of substances and mixtures).

Guidance

CHIP for everyone HSG228. Introduction to Local Exhaust Ventilation HS(G)37. Dust: General principles of protection (revised) EH44 1997. The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance. Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l5.pdf>

15.2. Chemical safety assessment**SECTION 16: Other information****Key literature references and sources for data**

Classification & Labelling derived by consideration of available REACH Registration data, CLP Classification Inventory and Manufacturer's data..

Revision date 16/03/2015

Revision 1

SDS number 22620

Hazard statements in full

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Disclaimer

The information provided in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable at the date this SDS was prepared. However, no warranty guarantee or representation is made as to its accuracy, reliability or completeness, or is to be implied regarding the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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