



SAFETY DATA SHEET QUICKFIRE

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

1.1. Product identifier

Product name QUICKFIRE
Product number PST014/5

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

Identified uses Herbicide.

1.3. Details of the supplier of the safety data sheet

Supplier Headland Amenity Ltd
 1 Burr Elm Court
 Main Street
 Caldecote
 Cambridge
 Cambridgeshire
 CB23 7NU
 Tel. +44 (0)1223 491090
 sds.enquiries@headlandamenity.com

Contact person Wendy Johnson

1.4. Emergency telephone number

Emergency telephone +44 (0)1223 491090 (9.00 - 5.00 GMT Mon-Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements	<p>P264 Wash hands thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P501 Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.</p>
Supplemental label information	EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
Contains	(R)-2(4-CHLORO-2-METHYLPHENOXY)PROPIONIC ACID, POTASSIUM SALT, DICAMBA (ISO)

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

(R)-2(4-CHLORO-2-METHYLPHENOXY)PROPIONIC ACID, POTASSIUM SALT		10-20%
CAS number: 66423-05-0		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R22. Xi;R41. N;R51/53.	
Eye Dam. 1 - H318		
Aquatic Chronic 2 - H411		
DICAMBA (ISO)		1-2%
CAS number: 1918-00-9	EC number: 217-635-6	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R22 Xi;R41 R52/53	
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		
POTASSIUM HYDROXIDE		0-0.5%
CAS number: 1310-58-3	EC number: 215-181-3	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	C;R35 Xn;R22	
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		

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	Remove person to fresh air and keep comfortable for breathing. Get medical attention immediately.
Ingestion	Do not induce vomiting. Get medical attention immediately.

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Skin contact After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention immediately.

Eye contact Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation Information not available.

Ingestion Information not available.

Skin contact Information not available.

Eye contact Information not available.

4.3. Indication of any immediate medical attention and special treatment needed

Specific treatments Eye bathing equipment should be available on the premises. Immediately wash eyes with water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely. Dispose of this material and its container to hazardous or special waste collection point.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid any direct contact with the substance.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product.

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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

(R)-2(4-CHLORO-2-METHYLPHENOXY)PROPIONIC ACID, POTASSIUM SALT

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

Short-term exposure limit (15-minute): WEL 20 mg/m³

DICAMBA (ISO)

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

POTASSIUM HYDROXIDE

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

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

WEL = Workplace Exposure Limit

8.2. Exposure controls

Eye/face protection	Wear eye protection. Wear face protection.
Hand protection	Chemical resistant gloves.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Respiratory protection	Wear suitable respiratory protection.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Brown.
Odour	Phenolic.
Odour threshold	No information available.
pH	pH (concentrated solution): 9-11.5
Melting point	Not applicable.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Not applicable.
Vapour pressure	No information available.
Relative density	1.07g/ml @ 20°C

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Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Viscosity	No information available.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable under recommended transport or storage conditions.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No information available.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat. Avoid frost.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Bases. Oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon dioxide (CO ₂). Carbon monoxide (CO).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No information available.
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Acute toxicity - oral

ATE oral (mg/kg)	2,272.73
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Skin corrosion/irritation

Skin corrosion/irritation	No information available.
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Serious eye damage/irritation

Serious eye damage/irritation	No information available.
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Respiratory sensitisation

Respiratory sensitisation	No information available.
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Skin sensitisation

Skin sensitisation	No information available.
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Germ cell mutagenicity

Genotoxicity - in vitro	No information available.
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Genotoxicity - in vivo	No information available.
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Carcinogenicity

Carcinogenicity	No information available.
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Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Toxicological information on ingredients.

(R)-2(4-CHLORO-2-METHYLPHENOXY)PROPIONIC ACID, POTASSIUM SALT

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 500-2000 mg/kg, Oral, Rat , ,

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ 5.4 mg/l/4hr/day, Inhalation, Rat

DICAMBA (ISO)

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 1879 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ 5.19 mg/l/4hr/day, Inhalation, Rat

POTASSIUM HYDROXIDE

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 273 mg/kg, Oral, Rat

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity No data available.

Ecological information on ingredients.

(R)-2(4-CHLORO-2-METHYLPHENOXY)PROPIONIC ACID, POTASSIUM SALT

Acute toxicity - fish LC₅₀, 96 hours: 127 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 272 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 204 mg/l, Fish

DICAMBA (ISO)

Acute toxicity - fish LC₅₀, 96 hours: 135.4 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 110.7 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	EbC50, 72 hours: 43.1 mg/l, Anabaena flos-aquae (Bluegreen algae) ErC50, 72 hours: 44.9 mg/l, Anabaena flos-aquae (Bluegreen algae) NOEC, 14 days: 0.25 mg/l, Lemna gibba (Duckweed)
Acute toxicity - microorganisms	IC ₅₀ , 3 hours: >500 mg/l, Activated sludge

POTASSIUM HYDROXIDE

Acute toxicity - fish	LC ₅₀ , 96 hours: 80 mg/l, Gambusia affinis
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12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulative potential Not determined.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment 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 Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Triple rinse containers with water and dispose of according to local and national regulations.

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.

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14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Product Registration Number: MAPP 17245

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	This is first issue.
Revision date	13/01/2016
Revision	1
SDS number	20420
Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.