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.
QUICKFIRE

Precautionary statements
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/ doctor if you feel unwell.
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.

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

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Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318
Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)
Xn;R22. Xi;R41. N;R51/53.

DICAMBA (ISO)

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Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)
Xn;R22 Xi;R41 R52/53

POTASSIUM HYDROXIDE

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Classification
Acute Tox. 4 - H302
Skin Corr. 1A - H314
Eye Dam. 1 - H318

Classification (67/548/EEC or 1999/45/EC)
C;R35 Xn;R22

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.
QUICKFIRE

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.
QUICKFIRE

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 respirator 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
QUICKFIRE

Bulk density
Not applicable.

Solubility(ies)
Soluble in water.

Viscosity
No information available.

9.2. Other information
Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
Stable under recommended transport or storage conditions.

10.2. Chemical stability
Stability
Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
Conditions to avoid
Avoid heat. Avoid frost.

10.5. Incompatible materials
Materials to avoid

10.6. Hazardous decomposition products
Hazardous decomposition products
Carbon dioxide (CO2). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects
No information available.

Acute toxicity - oral
ATE oral (mg/kg) 2,272.73

Skin corrosion/irritation
Skin corrosion/irritation
No information available.

Serious eye damage/irritation
No information available.

Respiratory sensitisation
Respiratory sensitisation
No information available.

Skin sensitisation
Skin sensitisation
No information available.

Germ cell mutagenicity
Genotoxicity - in vitro
No information available.

Genotoxicity - in vivo
No information available.

Carcinogenicity
Carcinogenicity
No information available.
QUICKFIRE

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
QUICKFIRE

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
IC₅₀, 3 hours: >500 mg/l, Activated sludge

Acute toxicity - fish
LC₅₀, 96 hours: 80 mg/l, Gambusia affinis

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.
QUICKFIRE

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.