



## SAFETY DATA SHEET

HY-MCPA

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### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product Name: HY-MCPA  
Product Number(s):

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

Selective herbicide for the control of weeds in cereals and established grassland

#### 1.3 Details of the supplier of the safety data sheet

Agrichem (International) Limited,

Industrial Estate, Station Road, Whittlesey,

Cambs. PE7 2EY, United Kingdom

**Tel:** 01733-204019

**Fax:** 01733-204162

**Email:** [admin@agrichem.co.uk](mailto:admin@agrichem.co.uk)

#### 1.4 Emergency telephone number

Emergency tel: 01733-204019

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### Section 2: Hazards Identification

#### 2.1 Classification according to Regulation (EC) 1272/2008 [EU-GHS/CLP]

Acute Tox. 4 H302, Eye Dam. 1 H318

#### 2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 (CLP):

**Hazard pictogram:**



GHS05:



GHS07:

**Signal words:**

Danger

**Hazard statements:**

H302: Harmful if swallowed

H318: Causes serious eye damage

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

## Precautionary statements:

P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using the product.  
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: Immediately Call a POISON CENTER or doctor/physician 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.

### 2.3 Other hazards

Not available

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## Section 3: Composition/information on ingredients

### 3.1 Substances

Not available

### 3.2 Mixtures

| Name  | No.  | Classification   | % Wt.  |
|---|--|--|--------|
| (4-chloro-2-methylphenoxy)<br>acetic acid, dimethylamine salt | CAS No: 2039-46-5<br>EINECS: 218-014-2<br>REACH: | H302 Acute Tox. 4<br>H315 Skin Irrit. 2<br>H318 Eye Dam. 1<br>H400 Aquatic Acute 1<br>H410 Aquatic Chronic 1 | 45-55% |

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## Section 4: First Aid Measures

### 4.1 Description of First Aid Measures

**Eye Contact:** If substance has got into the eyes, immediately wash out with plenty of water for at least 10 minutes maintaining eyelids open. Protect unharmed eye. Take care not to wash the chemical from one eye into the other. Obtain medical attention immediately (show this Safety Data Sheet)

**Skin Contact:** Remove contaminated clothing immediately. If skin contamination occurs wash immediately with plenty of clean, gently flowing water for at least 10 minutes. Repeat skin decontamination process until all signs of chemicals have gone. Obtain medical attention immediately (show this Safety Data Sheet)

**Ingestion:** If ingestion is suspected, do not induce vomiting. If conscious, rinse mouth. Obtain medical attention immediately (show this Safety Data Sheet)

**Inhalation:** Move to fresh air. If there is breathing difficulty or coughing, keep patient at rest seated in position of maximum comfort. Obtain medical attention immediately (show this Safety Data Sheet)

- 4.2 Most important symptoms and effects, both acute and delayed**  
Not available
- 4.3 Indication of any immediate medical attention and special treatment needed**  
Treat symptomatically

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## Section 5: Firefighting Measures

- 5.1 Extinguishing media**  
Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Suitable extinguishing media includes: water spray, dry powder, sand, foam and carbon dioxide
- 5.2 Special hazards arising from the substance or mixture**  
May give off toxic fumes in a fire (HCL, Cl<sub>2</sub>, NO<sub>x</sub>, CO)
- 5.3 Advice for firefighters**  
Chemical protection suit, suitable gloves for fire-fighters, boots and self-contained breathing apparatus. Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains

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## Section 6: Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment (see Section 8)
- 6.2 Environmental precautions**  
Do not allow product to enter drains or water courses
- 6.3 Methods and material for containment and cleaning up**  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Place in suitable labelled containers and dispose as hazardous waste. Where appropriate, refer to Sections 8 & 13
- 6.4 Reference to other sections**  
Refer to Section 13

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## Section 7: Handling and Storage

- 7.1 Precautions for safe handling**  
When using, do not eat, drink or smoke. Wear personal protective equipment. Do not breathe vapours or spray mist
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep containers tightly closed in a dry, cool and well-ventilated place to which children do not have access. Keep away from food, drink and animal feedingstuffs. Store at room temperature in the original container
- 7.3 Specific end use(s)**  
Not Available

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## Section 8: Exposure Controls/Personal Protection

- 8.1 Control Parameters**  
No data available
- 8.2 Exposure Controls**
- |                                      |  |
|--------------------------------------|--|
| <b>Engineering Control Measures:</b> | The usual precautionary measures for handling chemicals should be observed |
|--------------------------------------|--|

|                                |  |
|--------------------------------|--|
| <b>Hygiene Measures:</b>       | When using do not eat, drink or smoke. Shower or bathe at the end of working |
| <b>Respiratory Protection:</b> | Wear suitable respiratory equipment  |
| <b>Skin and Body:</b>          | Wear suitable protective clothing  |
| <b>Hands:</b>                  | Wear chemical resistant gloves, PVC or nitrile rubber gloves                 |
| <b>Eyes:</b>                   | Wear suitable eye/face protection  |

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## Section 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                                   |   |
|-----------------------------------|---|
| <b>Appearance:</b>                | Brown liquid  |
| <b>Odour:</b>                     | Characteristic amine like   |
| <b>Start of Crystallisation:</b>  | ca. 0°C   |
| <b>pH:</b>                        | 7.5 - 8.5   |
| <b>Specific Gravity:</b>          | 1.115 - 1.145 g/ml @ 20°C   |
| <b>Boiling Point:</b>             | ca. 100°C @ 1.013 hPa in aqueous solution                               |
| <b>Melting Point/Range:</b>       | Not applicable, aqueous solution  |
| <b>Decomposition Temp.:</b>       | No data available   |
| <b>Flash Point:</b>               | >110°C Method: EN/DIN 22719   |
| <b>Auto Ignition Temp.:</b>       | No data available   |
| <b>Flammability (Solid, Gas):</b> | 422°C   |
| <b>Explosive Properties:</b>      | None known  |
| <b>Oxidising Properties:</b>      | Non-oxidising (by EC criteria)  |
| <b>Vapour Pressure:</b>           | Active Ingredient is an organic salt, vapour pressure is negligibly low |
| <b>Bulk Density:</b>              | Not applicable, aqueous solution  |
| <b>Solubility (Water):</b>        | Soluble   |
| <b>Solubility (Fat Solvent):</b>  | No data available   |
| <b>Partition Coefficient:</b>     | -0.71 (MCPA Acid) n-Octanol/Water                                       |
| <b>Viscosity:</b>                 | 17.5m Pas   |

### 9.2 Other information

Not Available

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## Section 10: Stability and reactivity

### 10.1 Reactivity

Not Available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use

### 10.4 Conditions to avoid

Avoid direct heat protect from frost

### 10.5 Incompatible materials

Avoid strong acids, strong bases and oxidising agents

### 10.6 Hazardous decomposition products

In combustion emits toxic fumes of carbon dioxide, carbon monoxide, hydrogen chloride and chlorine gas

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## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### MCPA DMA

|   |  |
|---|--|
| <b>Acute Toxicity:</b>  | IHL Rat LC <sub>50</sub> >5 mg/kg<br>ORL Rat LD <sub>50</sub> 1239 mg/kg<br>SKN Rat LD <sub>50</sub> >2000 mg/kg |
| <b>Eyes:</b>  | There may be irritation and redness. The eyes may water profusely  |
| <b>Skin:</b>  | There may be irritation and redness at the site of contact   |
| <b>Sensitization:</b>   | None known   |
| <b>Mutagenic/Carcinogenic/<br/>Teratogenicity/Reproductive/<br/>STOT:</b> | No data available  |
| <b>Routes of Exposure:</b>  | Refer to Section 4 of SDS for routes of exposure and corresponding symptoms                                      |

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## Section 12: Ecological Information

### 12.1. Ecotoxicity

#### MCPA DMA

Rainbow Trout: 96h/LC<sub>50</sub>: 99.3 mg/l  
Daphnia Maga: 48h/EC<sub>50</sub>: 424.0 mg/l  
Green Alga: 72h/IC<sub>50</sub>: 60.7 mg/l

### 12.2 Persistence & Degradability

Biodegradable

### 12.3 Bioaccumulative Potential

No bioaccumulation potential

### 12.4 Mobility

Readily absorbed into soil

### 12.5 Results of PBT and vPvB assessment

This mixture is not identified as a PBT substance

### 12.6 Other Adverse Effects

Negligible ecotoxicity

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## Section 13: Disposal considerations

### 13.1. Waste treatment methods

|                            |   |
|----------------------------|---|
| <b>Product Disposal:</b>   | Dispose of according to local and national regulations  |
| <b>Container Disposal:</b> | Triple rinse containers with water and dispose of according to local and national regulations |

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## Section 14: Transport Information

Not classified as hazardous for road transport under ADR

### 14.1 UN number

### 14.2 UN proper shipping name

### 14.3 Transport hazard class(es)

### 14.4 Packing group

### 14.5 Environmental hazards

- 14.6 Special precautions for user**  
**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

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**Section 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No data available
- 15.2 Chemical safety assessment**  
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

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**Section 16: Other information**

**Text of Phrases mentioned in Sections 2 and 3:**

|               |   |
|---------------|---|
| <b>H302</b>   | Harmful if swallowed  |
| <b>H315</b>   | Causes skin irritation  |
| <b>H318</b>   | Causes serious eye damage   |
| <b>H400</b>   | Very toxic to aquatic life  |
| <b>H410</b>   | Very toxic to aquatic life with long-lasting effects                                    |
| <b>EUH412</b> | To avoid risk to human health and the environment, comply with the instructions for use |

*The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, release and is not to be considered a warranty of quality specification. The information 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 unless specified in the text*