

MSDS Number: 220

Agrichem (International) Limited

Issue Number: 011

Issue Date: June 2010

Material Safety Data Sheet

SECTION 1 Identification of Product Name and Company	
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Product Name:	HY-MCPA
Synonyms:	MCPA DMA 500g/l, Agroxone, T0414A
Emergency No.	National Poisons Information Service (Birmingham Centre) City Hospital, Birmingham B18 7QH
Intended Use:	Agricultural herbicide

SECTION 2 Hazards Identification	
<p>Harmful if swallowed. Risk of serious damage to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>	

SECTION 3 Composition/Information on Ingredients				
Formulation: Aqueous solution of 4-chloro-2-methylphenoxy) acetic acid as the dimethylamine salt.				
	Weight %	CAS No.	EINECS No.	Class
(4-chloro-2-methylphenoxy) acetic acid, dimethylamine salt.	40-50%	2039-46-5	218-014-2	Xn: R20/21/22
See 15, Regulatory information for text of R phrases.				

SECTION 4 First Aid Measures	
First Aid	If a person feels unwell after coming into contact with this product then seek medical attention immediately. Remove contaminated clothing and wash thoroughly with soap and water. If unconscious, check breathing and pulse (heartbeat). Give artificial ventilation and chest compression if necessary. If unconscious but breathing and pulse are normal. Place in recovery position.
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).
Ingestion:	If suspected do not induce vomiting. If conscious, drink plenty of water. Obtain medical attention immediately (show this safety data sheet).
Skin Contact:	Remove contaminated clothing immediately. If skin contamination wash immediately with plenty of clean, gentle flowing water for 10 minutes. Repeat skin decontamination procedures until all signs of chemical have gone. Obtain medical attention immediately (show this safety data sheet).
Eye Contact:	If substance has got into the eyes 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).

SECTION 5 Fire Fighting Measures	
Suitable extinguishing media	Suitable extinguishing media for the surrounding fire with waterspray, dry chemical, foam or Carbon dioxide. Use water spray to cool containers. Product may be harmful to wildlife-DO NOT release chemically contaminated water into drains, soil or surface water - prevent run off. Retain for safe disposal.
Exposure hazards	Fumes may be toxic.
Protection of fire fighters.	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 Accidental Release Measures	
Personal protection:	Refer to section 8 of safety data sheet for personal protection details. If outside do not approach from down wind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak side up to prevent the escape of liquid.
Environmental precautions:	Do not allow product to enter drains. Do not allow material to contaminate groundwater systems.
Methods for clean up:	Soak up absorbent material, place in suitable labelled containers and dispose of as hazardous waste. Where appropriate refer to Section 8 and 13.

SECTION 7 Handling and Storage	
Handling:	When using do not eat, drink or smoke. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.
Storage:	Keep containers in a dry, cool and well ventilated place.

SECTION 8 Exposure Controls/Personal Protection	
	The usual precautionary measures for handling chemicals should be observed.
Engineering control measures:	Use only in area provided with appropriate ventilation.
Hygiene measures:	When using do not eat, drink or smoke. Shower or bathe at the end of working.
Respiratory protection.	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection:	Wear suitable protective gloves resistant to chemical penetration.
Eye protection:	Wear suitable eye/face protection.
Skin & body protection:	Wear suitable protective clothing.

SECTION 9 Physical and Chemical Properties			
Appearance:	Brown liquid		
Odour:	Characteristic Amine-like		
Melting Point:	Not applicable, aqueous solution.	Oxidising properties:	Non oxidising (by EC criteria)
Boiling Point:	>100°C	Viscosity	17.5m Pas
pH:	7.5-9.5	Solubility in Water:	Soluble
Auto ignition temperature:	No data available.	Explosive properties:	None known
Flash Point:		Partition coefficient	-0.71 (MCPA ACID)n-Octanol/water
Flammability (solid, gas)	>200°C 422°C	Vapour pressure:	No data available



SECTION 10 Stability and Reactivity	
	Stable under recommended storage conditions
Conditions to avoid:	Heat.
Materials to avoid:	Avoid strong acids, strong bases and oxidising agents.
Hazardous combustion or decomposition products:	In combustion emits toxic fumes.

SECTION 11 Toxicological Information	
ACUTE TOXICITY	MCPA DMA 500g/l AI IHL RAT LC ₅₀ >5mg/kg ORL RAT LD ₅₀ 1239mg/kg SKN RAT LD ₅₀ >2000mg/kg
Routes of exposure:	Refer to Section 4 of safety data sheet for routes of exposure and corresponding symptoms.

SECTION 12 Ecological Information	
Ecotoxicity:	MCPA DMA 500g/l AI ALGAE 72H IC ₅₀ 60.7mg/l DAPHINA 48H EC ₅₀ 424mg/l FISH Ranbow Trout 96hr LC ₅₀ = 99.3mg/l
Mobility:	Readily absorbed into soil.
Persistence and degradability:	Biodegradable
Bioaccumulative potential:	No bioaccumulation potential.
Other adverse effects:	Negligable ectotoxicity.

SECTION 13 Disposal Considerations	
Product disposal:	Dispose of according to local and national regulations.
Container disposal:	Triple rinse containers with water and dispose of according to local and national regulations.

SECTION 14 Transport Information	
UN proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (contains MCPA).
UN number:	3082
<u>Road/railway proper shipping name:</u>	<u>Environmentally hazardous substance, liquid, n.o.s. (contains MCPA), UN Number 3082 Class 9</u>
Packaging group:	III
Hazard identification number:	90

SECTION 15 Regulatory Information	
Classified by the current UK CHIP Regulations	Contains (4-chloro-2-methylphenoxy)acetic acid, dimethylamine salt.
	 
	Xn Harmful N Dangerous for the Environment.
Risk Phrases:	R22 Harmful if swallowed. R37 Irritating to respiratory system. R41 Risk of serious damage to eyes R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases:	S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice S35 This material and its container must be disposed of in a safe way. S39 Wear eye/face protection. S57 Use appropriate containment to avoid environmental contamination. FS51 Do not contaminate ponds, waterways or ditches with chemical or used container. Do not clean application equipment near surface water. Avoid contamination via drains.

SECTION 16 Other Information	
MAFF No	14927
R20/21/22	Text of Risk Phrase used in Section 2: Harmful by inhalation, in contact with skin and if swallowed.

The data given in this sheet is based on current knowledge and experience and is given in good faith but without guarantee of accuracy and no liability is accepted whatsoever for any insufficiency or inaccuracy in such data in any case whatsoever.

The purpose of the Material Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regards to materials, properties or use.