


Safety Data Sheet

MCPA - Reg. No: L 9020 (Act No 36 of 1947)

Date of issue: 06/11/2018

1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	MCPA
Other means of identification:	MCPA 750 g/L SL
UN number:	3082
Recommended use:	Herbicide
Restrictions on use:	Agriculture
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 www.agritech.co.za
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 WESTERN CAPE POISONS TELEPHONE SERVICE 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	(4-chloro-2-methylphenoxy)acetic acid; 4-chloro-otolyoxyacetic acid
2) Classification of the substance / mixture:	
Classification of the product:	Xi,Xn, N; R50/53 Oral: Category 4 Dermal: Category 4 Inhalation: Category 4 Aquatic Acute: Category 1 Aquatic Chronic: Category 1 Skin Irritation: Category 2 Eye Irritation: Category 1 Full text of R-phrases; see section 15
Label elements:	Hazard statement(s): H302: Harmful if swallowed H312: Harmful in contact with skin. H315: Causes skin irritation. H318: Causes serious eye damage. H332: Harmful if inhaled. H400: Very toxic to aquatic life H410: Very toxic to aquatic life with long-lasting effects.. Precautionary statement(s): P102: Keep out of reach of children. P261: Avoid breathing mist, vapors or spray. P264: Wash hands, arms and face thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves / protective clothing / eye protection / face protection. P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor / physician if feel unwell.

	<p>P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P304 + P640: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTRE or doctor/physician. P312: Call a POISON CENTRE or doctor/physician if you feel unwell. P321: Specific treatment (see Safety Directions on the product label) P322: Specific measures (see first aid Instructions on the product label) P330: Rinse mouth. P332 + P313: If skin irritation occurs: Get medical advice/attention. P362: Take off contaminated clothing before reuse. P391: Collect spillage. P501: Dispose of contents / container in accordance with national regulations.</p> <p>Pictogram:</p>  <p>Signal Word: DANGER</p>												
Health effects: eyes:	May cause eye irritation.												
Health effects: skin:	May cause skin irritation												
Health effects: ingestion	Harmful												
Health effects: inhalation	May be harmful												
Health effects: Other													
3) COMPOSITION / INFORMATION ON INGREDIENTS:													
Mixture:													
<table border="1"> <thead> <tr> <th data-bbox="140 1335 371 1451">Chemical name</th> <th data-bbox="371 1335 560 1451">composition</th> <th data-bbox="560 1335 730 1451">CAS No.</th> <th data-bbox="730 1335 901 1451">EC No.</th> <th data-bbox="901 1335 1225 1451">Classification according to Regulation EC 1272/2008 (CLP)</th> <th data-bbox="1225 1335 1426 1451">Classification according to Directive 199/45/EC</th> </tr> </thead> <tbody> <tr> <td data-bbox="140 1451 371 1615">MCPA</td> <td data-bbox="371 1451 560 1615">75.04 %</td> <td data-bbox="560 1451 730 1615">94-74-6</td> <td data-bbox="730 1451 901 1615">222-895-9</td> <td data-bbox="901 1451 1225 1615">Acute Tox Cat 4 (H302, H332) Aquatic Acute Cat 1 (H400) Aquatic Chronic Cat 1 (H410)</td> <td data-bbox="1225 1451 1426 1615"></td> </tr> </tbody> </table>		Chemical name	composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to Directive 199/45/EC	MCPA	75.04 %	94-74-6	222-895-9	Acute Tox Cat 4 (H302, H332) Aquatic Acute Cat 1 (H400) Aquatic Chronic Cat 1 (H410)	
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Full text of R- and S-phrases: see section 15.													
4) First Aid Measures:													
Eye contact: Skin contact: Ingestion:	<p>Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.</p> <p>Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Seek medical assistance should irritation persist.</p> <p>Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. One or two glasses of water may be given. For advice, contact the National Poisons Centre.</p> <p>Seek medical assistance immediately.</p>												

<p>Inhalation:</p> <p>Most important symptoms and effects, acute and delayed:</p> <p>Indication of immediate medical attention and special treatment needed: Advice to physician</p>	<p>Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation.</p> <p>Seek medical assistance.</p> <p>To date no symptoms are known.</p> <p>No specific antidote. Treat symptomatically. Perform gastric aspiration and lavage or administer charcoal, every 2-4 hours, and laxative orally. Administer intravenous fluids to accelerate excretion of the chlorophenoxy compound and to limit concentration of the toxicant in the kidney.</p>
<p>5) Fire-Fighting Measures:</p>	
<p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p>Special hazards arising from the substance or mixture:</p>	<p>Will not burn readily. For small fires, use foam, carbon dioxide, dry powder or halon extinguisher. For large fires, use foam or water-fog.</p> <p>Water jet, due to contamination risk.</p> <p>This product may generate poisonous, explosive and corrosive fumes (carbon monoxide and nitrous gases) Keep upwind.</p>
<p>Fire-fighting:</p>	<p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire.</p> <p>Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal.</p> <p>Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Do not scatter the material. Avoid pollution of waterways</p>
<p>Protective clothing:</p>	<p>Full protective clothing and self-contained breathing apparatus</p>
<p>6) Accidental Release Measures:</p>	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p>	<p>Do not inhale vapour or spray. Avoid contact with skin and eyes. For personal protection see section 8.</p> <p>Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately.</p> <p>Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material and place in waste containers. Wash area with water containing soda or detergent and absorb with further inert material. If spill does enter waterways contact the local authority. Heavily contaminated soil layers should be removed and disposed of in an approved way. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility. If containers cannot be recycled, they should be disposed of together with the waste chemical</p>

Emergency eye wash:	Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.
9) Physical & Chemical Properties:	
Form: Colour: Odour: Odour threshold: pH: Melting point / Freezing point Initial boiling point and boiling range Flash point: Evaporation rate: Flammability (solid, gas) Upper/ lower flammability or explosive limits: Vapour pressure: Vapour density: Relative density: Solubility(ies) Partition coefficient: n-octanol/water Auto-ignition temperature: Viscosity:	Liquid Tan Characteristic DMA odour No data available 8.0-9.0 No data available No data available Does not flash N/A Not Flammable No hazard is expected as long as the product is used appropriately and in accordance with the intended use No data available No data available ± 1.14 g/L Soluble in water No data available No data available No data available
10) Stability & Reactivity:	
Reactivity: Chemical stability: Hazardous decomposition product(s): Conditions to avoid: Incompatible materials:	No hazardous reactions if stored and handled as indicated / prescribed. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Chemically very stable. Forms water-soluble alkali-metal and amine salts. Precipitation of calcium or magnesium salts may occur in hard water. Carbon oxides, carbon dioxide, hydrogen chloride.. Protect from sparks, heat and open flames. Avoid prolonged exposure to direct sunlight. None known
11) Toxicological Information:	
Acute: Oral LD ₅₀ > 1 500 mg/kg, rat Dermal LD ₅₀ > 2 000 mg/kg, rat Inhalation LC ₅₀ (4h): for rats > 6 mg/L. Eye Contact : Severe irritant Skin Contact : Non-irritant Skin Sensitization : Does not cause sensitization on laboratory animals, guinea pigs. Repeated dose toxicity: No data available Mutagenicity: No data available	

Carcinogenicity: No data available

Reproductive toxicity: No data available

Teratogenicity: No data available

12) Ecological Information:

Information below based on active ingredient: SULCOTRIONE technical material

Bees: LD₅₀ >200 µg/bee.

Birds: LD₅₀ (14 d) (oral) for bobwhite quail > 370 mg/kg. Dietary LC₅₀ (5d) Bobwhite quail and Mallard ducklings >5500 ppm.

Fish: LC₅₀ (96 h) for rainbow trout r rainbow trout 50–560 mg/L, Bluegill sunfish >150 mg/l, Carp > 300 mg/L.

Algae: EC₅₀ (120h) Selenastrum capricornutum >350 mg/L. **Worms:** LC₅₀ (14 d) >950 mg/kg soil.

Other aquatic species.:

:

Persistence and degradability: No data available

Biodegradation: No data available

Bioaccumulative potential: No data available

13) Disposal Considerations:

Waste Disposal: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Refer to the product label for instructions. Triple rinse empty containers before disposal in the following manner: Invert the container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container volume. Add rinsing to the contents of the spray tank before destroying the container in the prescribed manner. Empty containers should not be burnt; puncture and flatten containers and dispose at a licensed landfill site according to local regulations. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Prevent contamination of water sources, food or feed by disposal. **DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE.** If recycling, replace cap and take containers to the designated recycling point. If containers cannot be recycled, they should be disposed of together with the waste chemical according to local regulations.

14) Transportation Information:

UN Number: 3082

Road transport ADR/RID

Class: 9

Packing group: III

Hazchem Code 2X

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (75 % MCPA))

Maritime transport IMDG/IMO

Environmental hazards: Marine pollutant: Yes

Class: 9

Packing group: III

Hazchem Code 2X

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (75% MCPA)

Air transport IATA-DGR

Road Transport ADR/ RID:

Class: 9

Packaging group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (75 % MCPA)

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC code): NA

15) Regulatory Information:

Contains: HEXAZINONE

Symbols: Xi – Irritant.

N - Dangerous for the environment



Risk – Phrase(s):

R36 – Irritating to eyes.

R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

R52 / 53 – Harmful to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

Safety – Phrase(s):

S2 - Keep out of the reach of children.

S7 - Keep container tightly closed.

S13 - Keep away from food, drink and animal feeding stuffs .

S20/21 - When using, do not eat drink or smoke.

S29/35 - Do not empty into drains; dispose of this material and its container in a safe way.

S57 - Use appropriate container to avoid environmental contamination.

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets..

Hazard – phrase(s)

16. Other Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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