

## Safety Data Sheet

### CHLORMAX WP - Reg. No: L 7322 (Act No 36 of 1947)

Date of issue: 06/05/2002

Date Revised: 04/11/2021

<b>1) ) PRODUCT AND COMPANY IDENTIFICATION:</b>	
<b>Product name:</b>	<b>CHLORMAX WP</b>
<b>Other means of identification:</b>	Chlorimuron-ethyl 250 g/kg WP
<b>UN number:</b>	3077
<b>Recommended use:</b>	Herbicide
<b>Restrictions on use:</b>	None known
<b>Distributed by:</b>	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 <a href="http://www.agritech.co.za">www.agritech.co.za</a>
<b>Emergency Number:</b>	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
<b>Chemical Name:</b>	ethyl 2-(4-chloro-6-methoxypyrimidin-2-ylcarbamoylsulfamoyl)benzoate
<b>2) Classification of the substance / mixture:</b>	
<b>Classification of the product:</b>	Aquatic chronic Aquatic Chronic 1 (H410) Specific Target Organ Toxicity Repeated Exposure STOT RE 2 (H371) Dermal Acute Tox. 5 (H313) Skin irrit. 3 (H316) R20; R48; R50/53  Full text of R and S-phrases: see section 15.
<b>Label elements:</b>	<p>Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended. Hazardous components which must be listed on the label: <b>Chlorimuron-ethyl</b>.</p> <p><b>Hazard Pictogram(s):</b></p>  <p>Signal Word: <b>Warning</b></p>

	<b>Hazard statement (s):</b> H303: May be harmful if swallowed. H313: May be harmful in contact with skin. H316: Causes mild skin irritation. H319: Causes serious eye irritation. H333: May be harmful if inhaled. H373: May cause damage to organs (blood) through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.  <b>Precautionary statement(s):</b> P264: Wash hands and face thoroughly after handling. P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles. P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337/313: If eye irritation persists: Get medical advice. P273: Avoid release into the environment. P391: Collect spillage. P501: Dispose of contents/container to suitable landfill in accordance with local regulations
<b>Health effects: eyes:</b>	May cause mild irritation.
<b>Health effects: skin:</b>	May cause mild irritation to skin. Not a skin irritant. Not a skin sensitiser.
<b>Health effects: ingestion</b>	Harmful if swallowed
<b>Health effects: inhalation</b>	Unlikely to cause harmful effects under normal conditions and use
<b>Health effects: Other</b>	No data available.

### 3) COMPOSITION / INFORMATION ON INGREDIENTS:

Mixture:

Chemical name	Composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Chlorimuron-ethyl	>50%	90982-32-4	618-690-2	Aquatic Acute 1(H400) Aquatic Chronic 1 (H410) Specific Target Organ Toxicity Repeated Exposure STOT RE 2 (H371) Dermal Acute Tox. 5 (H313) Skin irrit. 3 (H316)	Xi- R51/53; N-

Full text of R- and S-phrases: see section 15.

### 4) FIRST AID MEASURES:

<b>Eye contact:</b>	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
<b>Skin contact:</b>	Thoroughly wash body with large amounts of water and soap. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Persons providing first aid must wear gloves to avoid self-contamination.  Seek medical assistance should irritation persist. Wash contaminated clothing before re-use
<b>Ingestion:</b>	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.  Seek medical assistance immediately.

<b>Inhalation:</b>	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.  Seek medical assistance.
<b>Most important symptoms and effects, acute and delayed:</b>	None known
<b>Indication of immediate medical attention and special treatment needed: Advice to physician</b>	No antidote is known. Treat symptomatically and supportively as and when needed.
<b>5) FIRE-FIGHTING MEASURES:</b>	
<b>Suitable extinguishing media:</b>	For small fires, use foam, carbon dioxide, dry powder or halon extinguisher. For large fires, use foam or water-fog; avoid the use of a water jet.
<b>Unsuitable extinguishing media:</b>	No data available.
<b>Special hazards arising from the substance or mixture:</b>	No data available.
<b>Fire-fighting:</b>	Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. If area is heavily exposed to fire and if conditions permit, let fire burn itself out. Contain fire control agents for later disposal. 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.  UNUSUAL FIRE OR EXPLOSION HAZARDS: Generating poisonous and corrosive fumes.
<b>Protective clothing:</b>	Full protective clothing and self-contained breathing apparatus.
<b>6) ACCIDENTAL RELEASE MEASURES:</b>	
<b>Personal precautions:</b>	Do not inhale vapour or spray. Avoid contact with skin and eyes. For personal protection see section 8.
<b>Environmental precautions:</b>	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.
<b>Cleaning procedure:</b>	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



9) PHYSICAL & CHEMICAL PROPERTIES:	
<b>Form:</b> <b>Colour:</b> <b>Odour:</b> <b>Odour threshold:</b> <b>pH:</b> <b>Melting point / Freezing point</b> <b>Initial boiling point and boiling range</b> <b>Flash point:</b> <b>Evaporation rate:</b> <b>Flammability (solid, gas)</b> <b>Upper/ lower flammability or explosive limits:</b> <b>Vapour pressure:</b> <b>Vapour density:</b> <b>Relative density:</b> <b>Solubility(ies)</b> <b>Partition coefficient: n-octanol/water</b> <b>Auto-ignition temperature:</b> <b>Viscosity:</b>	Wettable powder Off-white Slight organosulphorous odour No data available No data available No data available No data available Not flammable No data available Not flammable No data available No data available No data available No data available Miscible in water No data available No data available No data available
10) STABILITY & REACTIVITY:	
<b>Reactivity:</b> <b>Chemical stability:</b> <b>Hazardous decomposition product(s):</b> <b>Conditions to avoid:</b> <b>Incompatible materials:</b>	Alkaline substances such as lime and Bordeaux mixture may reduce the activity of the product. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Fire may produce irritating or poisonous vapours, mists or other products of combustion. Avoid extreme temperatures. Product should not be used if the soil or water has high pH values. Alkaline substances.
11) Toxicological Information:	
Acute: Oral LD50 > 5 000 mg/kg, rat Dermal LD50 > 2 000 mg/kg, rat (Calculated) Inhalation LC50 (4h): >5 mg/l air. (based on technical material)  Skin irritation : Not skin irritant, rabbit Eye irritation : Mild irritant, rabbit (Reversible) Sensitisation : Does not causes sensitization, guinea pigs. Other :  <b>Repeated dose toxicity</b> This statement has been derived from the properties of the active ingredient. Chlorimuron-ethyl did not cause any specific target organ toxicity in experimental animal studies. <b>Mutagenicity:</b> This statement has been derived from the properties of the active ingredient. Tests revealed no mutagenic or genotoxic potential.	

**Carcinogenicity:** The statement has been derived from the properties of the active. Tests revealed no indication of a carcinogenic effects in lifetime feeding studies in rats and mice.

**Reproductive toxicity:** No data available

**Teratogenicity:** The statement has been derived from the properties of the active. Tests revealed no indication of teratogenic effects

## 12) ECOLOGICAL INFORMATION: Information below based on active ingredient:

**Bees:** LD<sub>50</sub> (14 d) -Acute oral for mallard ducks >2510 mg/kg. Dietary LC<sub>50</sub> for mallard ducks and bobwhite quail >5620 ppm.

**Birds:** LD<sub>50</sub> (14 d) -Acute oral for mallard ducks >2510 mg/kg. Dietary LC<sub>50</sub> for mallard ducks and bobwhite quail >5620 ppm

**Fish :** LC<sub>50</sub> (96 h) for trout >1000, bluegill sunfish >100 mg/l. Daphnia : LC<sub>50</sub> (48 h) 1000 mg/l.

**Algae :**

**Worms:** LC<sub>50</sub> for earthworms (*Eisenia foetida*) >4050 mg/kg.

**Bees:** Contact > 200 µg/bee; Oral > 100 µg/bee.

**Other aquatic species:**

**Persistence:** In soil, K<sub>d</sub> >1.60 (pH 4.5, 5.6% o.m.), 0.28 (pH 5.8, 4.3% o.m.), <0.03 (pH 6.5, 2.1% o.m.), <0.03 (pH 6.6, 1.1% o.m.).

**Bioaccumulative potential**

Bioaccumulation: Chlorimuron-ethyl: Does not bioaccumulate.

**Mobility in soil**

Chlorimuron-ethyl: Low mobility in Keyport silt loam, intermediate mobility on Flanagan silt loam and Cecil Sandy Loam and high mobility on Woodstown Sandy loam.

**Results of PBT and vPvB assessment**

No data available

**Other adverse effects:**

Additional ecological information: No other effects to be mentioned.

## 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: 3077**

N: Dangerous for the Environment

**Road Transport ADR/ RID:**

Class: 9

Packaging group: III

Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Chlorimuron-ethyl)

**Maritime Transport IMDG / IMO:**

Marine Pollutant: Yes

Class: 9

Packaging group: III

Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Chlorimuron-ethyl)

**Air Transport ICAO/IATA:**

Class: 9

Packing group: III

Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Chlorimuron-ethyl)

**Special/Environmental Precautions:** Wedge drums tightly to avoid movement.

**15) REGULATORY INFORMATION:**

**Labelling according to EC directives:**

**Hazardous components which must be listed on the label:** Chlorimuron-ethyl

**Symbols:** Xi – Irritant

N - Dangerous for the environment

**Risk – Phrase (s):**

**R51/53** -Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety – Phrase (s):**

S 2 - Keep out of the reach of children.

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

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

S35 - This material and its container must be disposed of in a safe way.

S46 - If swallowed, seek medical advice immediately and show this container or label.

S57 - Use appropriate container to avoid environmental contamination.

SP 1 - Do not contaminate water with the product or its container. (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads.

**Hazard Statements**

H410 - Very Toxic to aquatic life with long-lasting effects

H371 - May cause damage to organs

H332 - Harmful if inhaled

**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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