


Safety Data Sheet

CLOUT CM - Reg. No: L 8281 (Act No 36 of 1947)

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1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.					
Product name:	CLOUT CM				
Other means of identification:	Carbendazim 125 g/l + Flusilazole 250 g/l				
Recommended use:	Crop protection product. fungicide				
Restrictions on use:	For use as an agricultural remedy only				
UN No:	3082				
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 (OR POISONS HELPLINE): 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946				
Chemical Name:	Carbendazim: methyl benzimidazole-2-ylcarbamate Flusilazole: bis(4-fluorophenyl)(methyl)(1H-1,2,4-triazol-1-ylmethyl)silane				
2) Classification of the substance / mixture:					
Classification of the product is based on the co-formulants listed in section 3.					
Label Elements	 <p>Xi – Irritant Health Hazard N – Dangerous for the environment</p>				
Health effects: eyes:	May cause irritation and damage.				
Health effects: skin:	May cause irritation and be harmful.				
Health effects: ingestion	May be harmful.				
Health effects: inhalation	May be harmful.				
3) COMPOSITION / INFORMATION ON INGREDIENTS:					
Mixture: preparation based on Carbendazim and Flusilazole					
Chemical name	% composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to Directive 199/45/EC
Carbendazim	12.5	10605-21-7	234-232-0	Muta, 1B; H340 Repr. 1B; H360 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	T N R 46 R 50/ 53 R 60

					R 61 S 53 S 45 S 60 S 61
Flusilazole	25	85509-19-9	-	Carc. 2; H351 Repr. 1B; H360 Acute Tox. 4; H302 Aquatic Chronic 2; H411	R 61 R 22 R 40 R 51/53 S 53 S 45 S 61

4) First Aid Measures:

<p>Inhalation:</p> <p>Skin contact:</p> <p>Eye contact:</p> <p>Ingestion</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. Seek medical assistance immediately.</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.</p> <p>Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance if irritation persists.</p> <p>Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. Repeatedly administer medicinal charcoal in large quantities of water. For advice, contact the National Poisons Centre. Seek medical assistance immediately.</p> <p>Inhalation may cause: Dizziness, irritation. Eye contact may cause: Irritation. Skin contact may cause: Local irritation. Ingestion may cause: Vomiting, Diarrhoea.</p> <p>Treat symptomatically. Do not give ephedrine or related drugs.</p>
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5) Fire-Fighting Measures:

<p>Flash point:</p> <p>Extinguishing Media:</p> <p>Unsuitable extinguishing media</p> <p>Fire Fighting:</p>	<p>> 100 °C</p> <p>Fine water spray, foam, carbon dioxide.</p> <p>Do not use high volume water jet, due to contamination risk.</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. 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>Generating poisonous and corrosive fumes containing: carbon monoxide, nitrogen oxides and hydrochloric acid.</p> <p>UNUSUAL FIRE OR EXPLOSION HAZARDS: Take extra care if mixed with chlorine releasing compounds - increased skin irritancy</p>
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Protective clothing:	Full protective clothing and self-contained breathing apparatus
6) Accidental Release Measures:	
Personal precautions:	Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8.
Occupational spill:	Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material, remove by scoop or vacuum. Use approved industrial vacuum cleaner for removal and place in waste containers. Wash area with water and detergent and absorb with further inert material. If spill does enter waterways contact the local authority. 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.
7) Handling & Storage:	
Handling:	Avoid skin and eye contact and inhalation of spray mist. Keep away from heat and sources of ignition. APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. Spills may be slippery and should be cleaned up immediately. TRACKING: Is not required BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Keep away from children or uninformed persons.
8) Exposure Control / Personal Protection:	
It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.	
<u>PERSONAL PROTECTIVE EQUIPMENT:</u>	
Clothing:	Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. Respiratory protection: Respirator with filter for organic vapour. Hygiene measures: Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use.
Gloves:	Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance
Eye protection:	The use of safety goggles with side shields is recommended.
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:	Liquid
Colour:	Off-white, beige
Odour:	Sweet odour
Odour threshold:	Not determined
Solubility:	Completely miscible in water
pH:	8.2 at 10 g/l (20 °C)
Melting point / Freezing point	No data available

Worms : Carbendazim: LC50 (4w) 6mg/kg soil. Flusilazole : No data.

Persistence and Degradability:
Carbendazim: DT50 (4w) 6mg/kg soil. Flusilazole : No data

Persistence: Carbendazim: DT50 = 8 – 32 days. Flusilazole: DT50 = 95 days.

Carbendazim is mainly decomposed in the environment by microorganisms, with a half-life of 6 – 12 months on bare, and is strongly absorbed on soil with a very low mobility. The half-life of flusilazole under field conditions had an average at 95 days.

Biodegradation: Not readily biodegradable.
Bioaccumulative potential: Does not bioaccumulate.
Bioconcentration factor: No data available.

Mobility on soil:

Not expected to be mobile in soils.

Results of PBT and vPvB assessment:

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Other adverse effects:

See product label for additional application instructions relating to environmental precautions.

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.

Container Refilling and Disposal:

If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product.

DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.

Do not transport if this container is damaged or leaking.

14) Transportation Information:

Road Transport ADR/ RID:

Class: 9

Packaging group: III

UN-No: 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (contains Flusilazole, Carbendazim)

Environmental hazards: Considered a marine pollutant

Special precautions for user: None known

Air Transport IATA / ICAO:

Class: 9

Packaging group: III

UN-No: 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (contains Flusilazole, Carbendazim)

Environmental hazards: Considered a marine pollutant

Special precautions for user: None known.

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

Maritime Transport IMDG / IMO:

Class: 9

Packaging group: III

UN-No: 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (contains Flusilazole, Carbendazim,)

Environmental hazards: Considered a marine pollutant

Special precautions for user: None known

15) Regulatory Information:

Safety, health and environmental regulations / legislation specific for the substance or mixture.

To avoid risks to man and the environment, comply with all instructions for use.

Advice on handling of the product can be found in sections 7 and 8 of this safety data sheet.
For the proper and safe use of this product, please refer to the approval conditions indicated in the product label.

Contains: Carbendazim / Flusilazole.
Symbol(s): N – Dangerous for the environment
T – Toxic

R-phrase(s):

R22 – Harmful if swallowed
R36 – Irritating to eyes.
R40 – Limited evidence of a carcinogenic effect.
R46 – May cause heritable genetic damage.
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/ 53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R60 – May impair fertility.
R61– May cause harm to the unborn child.

H-Statement(s):

H302 – Harmful if swallowed
H340 – May cause genetic defects
H351 – Suspected of causing cancer
H360 – May damage fertility or the unborn child
H400 – Very toxic to aquatic life
H410 – Very toxic to aquatic life with long lasting effects.
H411 – Toxic to aquatic life with long lasting effects.

S-phrase(s):

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
S36/37 – Wear suitable protective clothing and gloves.
S45 – In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S53 – Avoid exposure - obtain special instructions before use.
S57 – Use appropriate containment to avoid environmental contamination.
S60 – This material and its container must be disposed of as hazardous waste.
S 61 – Avoid release to the environment. Refer to special instructions / Safety Data Sheets

Exceptional labelling of special preparations:

To avoid risks to man and the environment, comply with the instructions for use.

Further information: Restricted to professional users.

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. The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. A properly trained person using this product intends this document only as a guide to the appropriate handling of the material. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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