

Safety Data Sheet

PROXIMA - Reg. No: L 8696 (Act No 36 of 1947) N – AR 1535

Date of issue: 29/10/2014
Date revised: 17/11/2016

1) PRODUCT AND COMPANY IDENTIFICATION					
Product name:		PROXIMA			
Other means of identification:		Quinoxifen 250 g/L SC			
Recommended use:		Fungicide			
Restrictions on use:		Agriculture			
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 TYGERBERG:021 931 6129 RED CROSS 021 689 5227 GRIFFON POISON CENTRE: 082 446 8946			
Chemical Name:		5,7-dichloro-4-(4-fluorophenoxy)quinoline			
2) Hazards Identification					
Classification of the product is based on the coformulants listed in section 3		N; Xi; R43; R50/53 Full text of R-phrases; see section 15			
Label elements:		Hazard symbols: N – Dangerous for the environment Xi – Irritant   Signal word: Irritant			
Health effects: eyes:		Irritating to eyes and skin (reversible)			
Health effects: skin:		May cause sensitization by skin contact.			
Health effects: ingestion		Harmful if swallowed. Acute oral LD 50 for rats>2 000 mg/kg			
Health effects: inhalation		Unlikely to cause harmful effects under normal conditions and use but may cause lung damage if swallowed			
3) Composition Details:					
Chemical name	Composition (g/kg)	CAS No.	EC No.	CLP Classification	DSD Classification

Quinoxifen	250	124495-18-7	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	R43 N; R50-53
Full text of R- and S-phrases: see section 15.				
4) First Aid Measures:				
Product in eye:			Flush eyes with plenty of water. Use safety goggles.	
Product on skin:			Wash thoroughly with soap and water.	
Product ingested:			Do not induce vomiting. Call a physician. The decision of whether to induce vomiting or not should be made by an attending physician.	
Product inhaled:			Remove to fresh air. Consult a physician.	
Advise to physician:			No specific antidote for this product. Persons providing first aid must wear gloves to avoid selfcontamination. Symptomatic treatment and supportive therapy as indicated.	
5) Fire-Fighting Measures:				
Flash Point:			Not flammable	
Extinguishing media:			Water fog or fine spray. Carbon dioxide. Dry chemical. Foam.	
Unsuitable extinguishing media:			Water jet, due to contamination risk.	
Fire Fighting:			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. 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. Dyke fire control water for later disposal. Do not scatter the material. Avoid pollution of waterways.	
Hazardous Combustion Products			During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.	
Special hazards:			Poisonous vapours are likely to be generated. Keep cool as heated vapours may explode. Keep upwind.	
Protective clothing:			Wear protective clothing and use self-contained breathing apparatus.	
6) Accidental Release Measures:				
Personal Precautions			Wear appropriate safety clothing and eye/face protection (see Section8).	
Environmental Precautions			Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system.	
Methods of Cleaning Up			Soak up with sand or other non-combustible absorbent material and place into containers for disposal. For large spills, barricade area and consult manufacturer. If further assistance is required, telephone the emergency contact number.	
7) Handling & Storage:				
Handlin Usage/Handling Precautions:			Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work.	

Storage:	Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feed stuffs, pharmaceuticals, cosmetics or fertilizers. Keep out of reach of children.
8) Exposure Control / Personal Protection:	
Engineering Controls	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Respiratory Protection	For most conditions, no respiratory protection should be needed. However, if respiratory irritation is experienced use an approved air-purifying respirator.
Hand/Skin Protection	Wear clean, long-sleeved, body-covering clothing. Use gloves impervious to this material. For emergency conditions: Use protective clothing impervious to this material. Selection of specific items will depend on operation.
Eye/Face Protection	Where contact with liquid is likely, safety glasses are recommended.
9) Physical & Chemical Properties:	
Form:	Opaque liquid
Colour:	Pale brown
Odour:	Characteristic
Solubility:	Suspends in water
pH:	8.34 (neat)
Melting point / Freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	NA
Evaporation rate:	No data available
Flammability (solid, gas)	Not flammable
Upper / lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature:	NA
Viscosity:	130 mPa.s
10) Stability & Reactivity:	
<p>Chemical Stability Is stable under normal storage conditions.</p> <p>Conditions to Avoid Protect from elevated temperatures and direct sunlight.</p> <p>Materials to Avoid Strong basic, acidic or oxidizing materials.</p> <p>Hazardous Decomposition Products None under normal conditions of storage and use. Decomposition products are produced under elevated temperatures, limited air supply and reactions with incompatible materials. These decomposition products include but are not limited to: Hydrogen chloride, hydrogen fluoride, nitrogen oxides.</p>	
11) Toxicological Information:	

Acute toxicity

Based on data for similar formulation.

Ingestion

Single dose oral toxicity is considered to be low.

The estimated oral LD50 for rats is >2000mg/kg.

Skin Contact

The estimated dermal LD50 for rabbits is >2000mg/kg.

A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

Non-irritating to skin.

Sensitisation

Non-sensitising to guinea pig skin.

Eye Contact

Non-irritating to eyes.

Inhalation

No adverse effects anticipated by this route of exposure incidental to proper handling. LC50 for the technical is > 3,38 mg/l

Additional information:

WHO classification: III

12) Ecological Information:**Persistence and Degradability**

Assessment largely or completely based on data for active ingredient.

Does not leach in soils and is therefore unlikely to contaminate groundwater. Material is expected to degrade only slowly in the environment.

Aquatic Toxicity

Based on data for similar formulation.

Material is not harmful to fish on an acute basis (LC50>100mg/L). Material is highly toxic to aquatic invertebrates on an acute basis (0.1mg/L <LC50 <1.0mg/L). Material is very toxic to algae (IC50 <1.0 mg/l).

Avian Toxicity

Assessment largely or completely based on data for active ingredient.

For birds, material is expected to be of low toxicity.

Additional Information

Based largely or completely on information for similar material(s).

No effect on soil micro organisms at 4000 g/ha.

Non-toxic to bees.

LD50 for earthworms is >1000 mg/Kg.

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 NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE, perforate and flatten.

Do not transport if this container is damaged or leaking.

14) Transportation Information:

Proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Contains Quinoxifen 22.5% W/W)
Truck - ADR Loaded : 9-11c Empty : 9-71 Label : 9 UN
Number : 3082

Sea

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Contains Quinoxifen 22.5% W/W)
Sea - IMO/IMDG Class: 9 UN Nr : 3082 Label: 9
Packing Group : III
Marine Pollutant : n (Y/N)

Air

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S (Contains Quinoxifen)
Air-ICAO/IATA Class : 9 UN Nr : 3082 Label: 9 Sub Class
:
Packing Group : III

15) Regulatory Information:

Hazard Symbols: N – Dangerous for the environment
Xi – Irritant

Risk Phrases:

R43: May cause sensitization by skin contact.

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

Safety Phrases:

S2: Keep out of reach of children.

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

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

S24: Avoid contact with skin.

S37: Wear suitable gloves.

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

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 Statements:

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long-lasting effects.

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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