


Safety Data Sheet

Vivendi® 300

1) Identification of Substance:	
Product name:	Vivendi 300
Active Ingredient(s):	Clopyralid 300g/l.
ACVM Approval:	P7197
EPA Approval:	HSR000760
Distributed by:	Adria Crop Protection P.O. Box 535, Kumeu 0841, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adria.nz
Emergency Number: National Poisons and Hazchem Information Centre	0800 734 607 (24hr)3 0800 POISON (0800 764 766)
2) Hazards Identification:	
	
HSNO Classifications:	9.1B, 9.2A, 9.3C
Signal Word:	Warning
Hazard Statement Codes:	
H411	Toxic to aquatic life with long lasting effects.
H421	Very toxic to the soil environment.
H433	Harmful to terrestrial vertebrates.
Prevention Statement Codes:	
P102	Keep out of reach of children.
P103	Read label before use.
P273	Avoid release to the environment.
Response Statement Codes:	
P101	If medical advice is needed have product container or label at hand.
P391	Collect spillage.

3) Composition Details:		
Chemical identity:	Clopyralid	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Clopyralid	1702-17-6	300g/l
4) First Aid Measures:		
General Information:	Remove contaminated clothes	
Skin contact:	Wash skin thoroughly with water and soap. If irritation or rash develops get medical attention/advice.	
Eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
Ingestion:	Do not induce vomiting. Call a physician. Contact doctor or local anti-poison centre to determine whether or not it is necessary to make victim vomit. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766).	
Inhalation:	Remove victim to fresh air. Consult a physician.	
Note to Physician:	No specific antidote. Supportive care. Treat symptomatically.	
5) Fire-Fighting Measures:		
Specific Hazards:	As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion.	
Extinguishing media	Suitable: Dry chemical, carbon dioxide, water fog or spray, standard foam. Unsuitable: High pressure water jet media.	
Hazardous combustion products	During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.	
Protective equipment for fire-fighters	Fire-fighters should wear approved self-contained breathing apparatus and full protective clothing.	
Additional information	Keep containers cool by spraying with water. Contain runoff to prevent entry into water or drainage systems.	
Hazchem Code:	3Z	
6) Accidental Release Measures:		
Personal precautions:	Use protective clothing as per section 8). Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately.	
Environmental precautions	Do not wash into sewers or other water sources. Advise responsible authorities if spillage has entered water course or drainage system.	
Clean up methods	Wear protective clothing as per Section 8). Do not touch spilled material. Stop leak if it can be done without risk. For small spills: Take up with sand or other absorbent material and place into containers for later disposal. Move containers from spill area.	

	For larger spills: Dike far ahead of spill for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry. Ventilate closed space.
Disposal procedures:	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal. Dispose of waste safely, according to local Council regulations.
7) Handling & Storage:	
Handling precautions	Wear protective clothing as per Section 8). Keep product in original tightly closed container; do not get on skin, eyes or clothing; do not eat, drink or smoke when handling; wash hands before eating, drinking or smoking and after work.
Storage	Store in a cool, well-ventilated storeroom, away from children and unauthorised personnel, and food and animal feed. Protect from excessive heat and cold.
8) Exposure Control / Personal Protection:	
Exposure control limits: Clopyralid:	TWA 10 mg/m ³
Ventilation	Provide local exhaust or general dilution ventilation.
Respiratory protection	For most conditions, no respiratory protection is necessary. However, if respiratory irritation is experienced, use an approved air-purifying respirator. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
Hand/skin protection	Wear clean, long-sleeved, body-covering clothing. Use gloves, impervious to this material, when prolonged or frequently repeated contact could occur. For emergency conditions: use protective clothing impervious to this material.
- Eye/face protection	Wear splash-proof or dust-resistant safety goggles.
9) Physical & Chemical Properties:	
Physical state at 20 °C:	Liquid
Colour:	Brown
Odour:	-
Boiling point:	± 100 °C
Melting point:	n/a
Density:	1.14
Surface tension [mN/m]:	33-46 mN/m
pH:	5.2 (6.0 at 1% dilution)
Flammability:	Not flammable
Ignition Temperature: [°C]:	-
Viscosity:	-
Solubility in water	Miscible.
10) Stability & Reactivity:	
Stability	Stable under normal temperatures and pressures.
Conditions to avoid	Avoid temperature extremes.
Incompatibilities	Strong basic, acidic or oxidising materials.
Hazardous decomposition	None under normal conditions of storage and use.

11) Toxicological Information:	
VIVENDI 300 (Based on calculations) - Acute LD50 oral rats - Acute LD50 dermal rats Non- irritating to eyes and skin (rabbits)	> 2000 mg/kg b.w. > 4000 mg/kg b.w.
Clopyralid (Acid) Toxicity data - LD50 oral, male rat - LD50 oral, female rat - LD50 skin, rabbit - LC50 (4h), rats Severe eye irritant, not a skin irritant. Non-carcinogenic, non-mutagenic, non-teratogenic and produces no significant toxicological effects on reproductive parameters.	3738 mg/kg 2675 mg/kg > 2000 mg/kg > 0.38 mg/l
12) Ecological Information:	
VIVENDI 300 No information available	
Clopyralid (acid) Ecotoxicity data: - Birds LD50 oral, mallard duck: LD50 oral, bobwhite quail: LC50 (5d) mallard duck : LC50 (5d) bobwhite quail: - Fish LC50 (96h) rainbow trout: LC50 (96h) bluegill sunfish: - Bees Non-toxic to bees LD50 (48h) oral and contact : - Worms LC50 (14d): - Others EC50 (48h) Daphnia: EC50 (96h) algae: EC50 (96h) algae : EC50 (14d) <i>Lemna Gibba</i> :	1465 mg/kg > 2000 mg/kg > 4640 mg/kg > 4640 mg/kg 103.5 mg/l 125.4 mg/l > 11 µg/bee > 1000 mg/kg soil 225 mg/l 6.9 mg/l (cell count) 7.3 mg/l (cell volume) (<i>Selenastrum capricornutum</i>) 89 mg/l
On ingredients	See Heading: Information on ingredients.

13) Disposal Considerations:	
Disposal: 	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.
Empty container precautions:	Avoid contamination of any water supply with chemical or empty container.
14) Transportation Information:	
	
Rail/road (RID/ADR):	HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clopyralid), Class 9 Packaging Group III UN: 3082 Hazchem Code: 3Z Maritime Pollutant. Very toxic to the soil environment. Harmful to terrestrial vertebrates.
Sea (IMDG code):	
Air (ICAO/IATA):	
15) Regulatory Information:	
Certified handlers:	No.
Tracking:	No.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.
16) Other Information	
<p>For proper and safe use of this product, please refer to the approval conditions laid down on the product label.</p> <p>The data contained in this safety data sheet is based on our current knowledge and describes the product only with regard to safety requirements. The data does not describe the product's properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any existing laws and legislation are observed.</p>	