


Safety Data Sheet

Bravium®

1) Identification of Substance:	
Product name:	Bravium
Active Ingredient(s):	250g/litre pymetrozine
ACVM Approval:	P8128
EPA Approval:	HSR100290
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:	6.3A, 6.4A, 6.5B, 6.8A, 6.9B, 9.1C, 9.2D
Signal Word:	Danger
Hazard Statement Codes:	
H315/H317	Causes Skin Irritation. May cause an allergic skin reaction
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
H371/H373	May cause damage to organs through single, prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
H423	Harmful to the soil environment.
Prevention Statement Codes:	
P102	Keep out of reach of children.
P103	Read label before use.


P280	Wear protective gloves, protective clothing/eye protection/face protection.
P264	Wash body thoroughly after handling.
P260/P261	Do not breath mist, vapours or spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P201/P202/P281	Suspected teratogen. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment
Response Statement Codes:	
P101	If medical advice is needed, have product container or label at hand
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313/P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362/P363	Take off contaminated clothing and wash before re-use.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P308+P313/P314/P309+P311	IF exposed or if you feel unwell or are concerned: Get medical advice/attention.
P391	Collect spillage.
Storage Statement codes	
P405	Store locked up.

3) Composition Details:

Chemical identity:	Pymetrozine	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Pymetrozine	123312-89-0	50

4) First Aid Measures:	
General Information:	
Skin contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.
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 if swallowed. Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766).
Inhalation:	Assure fresh air breathing. Rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice.
Further Information:	Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.
5) Fire-Fighting Measures:	
Specific hazards:	High temperature may liberate toxic gases. Nitrogen oxides. Halogens. Carbon monoxide. Carbon dioxide.
Extinguishing media and methods:	Dry chemical extinguisher, foam, carbon dioxide or waterspray (do not use direct jet of water).
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
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 discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
Spill procedures:	Wear appropriate protective clothing as per Section 8). Prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material.
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:	Use protective clothing. Refer to section 8. Avoid contact with skin and eyes. Ventilation required. Keep away from: sparks, open flame and direct sunlight. Females of childbearing age should not come into contact with the product. Use personal protection if required.
Storage:	Protect from sunlight. Protect against freezing.

8) Exposure Control / Personal Protection:	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Safety goggles with side-shields.
Hand protection:	Suitable chemical resistant safety gloves (e.g. nitrile rubber (.4mm)).
Other protective equipment:	Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure.
General Safety & Hygiene measures:	Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work. Females of childbearing age should not come into contact with the product. Use personal protection if required.
9) Physical & Chemical Properties:	
Form:	Liquid
Colour:	White
Odour:	Characteristic
Melting point/boiling point:	± 5 °C / N/A.
Density:	0.4 - 0.6 g/cm ³
Surface tension:	-
pH:	6.95
Flash point:	N/A
Ignition Temperature:	Not flammable.
Explosive Limits:	Not explosive.
10) Stability & Reactivity:	
Conditions to avoid:	None.
Materials to avoid:	None.
Hazardous reactions:	None. Thermal decomposition may release toxic fumes.
11) Toxicological Information:	
Acute oral toxicity:	LD ₅₀ , rats : >5000 mg/kg.
Acute inhalation toxicity:	LD ₅₀ , rats : (4 h) >3.09 mg/L.
Acute dermal toxicity:	LD ₅₀ , rats : >5000 mg/kg.
Skin irritation:	Causes Skin Irritation.
Eye irritation:	Causes serious eye irritation.
Sensitisation:	May cause an allergic skin reaction
12) Ecological Information:	
Acute fish toxicity:	LC ₅₀ (96h): >100 mg/L, Trout (<i>Salmo trutta</i>). LC ₅₀ (96h): >100 mg/L, Common Carp (<i>Cyprinus carpio</i>)
Toxicity for daphnia:	EC ₅₀ (48h) : 100 mg/L, Water flea (<i>Daphnia magna</i>)
Toxicity to algae:	ErC ₅₀ (72h): 5.6 mg/L, Green algae (<i>Selenastrum capricornutum</i>)

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):	Not Regulated.
Sea (IMDG code):	Not Regulated.
Air (ICAO/IATA):	Not Regulated.
15) Regulatory Information:	
Approved handlers:	Not Required.
Tracking:	Not Required.
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>	