



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

## Bumper 250 EC

Revision date 09-May-2021

Version 1 Supersedes Date: 09-May-2021

Product Code(s)

FNG56971-27

Print Date 09-May-2021

ADM.03350.F.1.A 9511707

## 1. Identification

### Product identifier

## Bumper 250 EC

### Other means of identification

Synonyms Propiconazole 250 EC  
Formulation type EC

### Recommended use of the chemical and restrictions on use

Recommended use Fungicide  
Uses advised against Not required

### Detailed information about the manufacturer, supplier, and/or importer

Supplier ADAMA SOUTH AFRICA (PTY) LTD  
Ground Floor, Simeka House  
The Vineyards Office Estate  
99 Jip de Jager Drive  
Bellville 7530

### Emergency telephone number

Emergency Telephone + 27 82 446 8946  
+ 27 86 155 5777  
+ 27 21 982 1460

E-mail address SDS@ADAMA.COM

## 2. Hazard(s) identification

### Classification of the substance or mixture

Acute toxicity - Oral	Category 4 - (H302)
Reproductive toxicity	Category 1B - (H360)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

### Label elements

Signal word

Danger

**Hazard statements**

H302 - Harmful if swallowed  
 H360 - May damage fertility or the unborn child  
 H410 - Very toxic to aquatic life with long lasting effects

**Precautionary statements**

P102 - Keep out of reach of children  
 P201 - Obtain special instructions before use  
 P270 - Do not eat, drink or smoke when using this product  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P501 - Dispose of contents/ container to an approved waste disposal plant

**Other hazards**

Causes mild skin irritation.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 3. Composition/information on ingredients

**Substance**

Not applicable

**Mixture****Synonyms**

Propiconazole 250 EC

Chemical name	CAS No	Weight-%	EC No	INTERNATIONAL GHS CLASSIFICATION	M-Factor
Propiconazole	60207-90-1	22-28	262-104-4	Repr. 1B (H360D) Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	M=1 M=1
calcium dodecylbenzenesulphonate	26264-06-2	1-3	247-557-8	Skin Irrit. 2 (H315)Eye Dam. 1 (H318)	
2-ethylhexan-1-ol	104-76-7	> 2	203-234-3	Flam. Liq. 4 (H227) Acute Tox. 5 (H303) Acute Tox. 4 (H332) Acute Tox. 5 (H313) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) STOT SE 3 (H335) Aquatic Acute 3 (H402)	

### 4. First-aid measures

**Description of necessary first aid measures****General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection.

<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

**For emergency responders**

**Self-protection of the first aider** Use personal protective equipment as required.

**Most important symptoms/effects, acute and delayed**

**Symptoms** None known.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures****Suitable Extinguishing Media**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Small Fire**  
**Large Fire**

Dry chemical, CO<sub>2</sub>, water spray or regular foam  
Do not scatter spilled material with high pressure water streams  
Dike fire-control water for later disposal  
Water spray, fog or regular foam  
Move containers from fire area if you can do it without risk

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical**

**Specific hazards arising from the chemical** Not required.

**A fire or explosion** Some may burn but none ignite readily  
Containers may explode when heated  
Some may be transported hot

**Explosive properties** Not an explosive.

**Specific/special fire-fighting measures**

**Specific/special fire-fighting measures** Not required.

**Special protective equipment and precautions for fire-fighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Ensure adequate ventilation.
<b>Health risks</b>	Contact may cause burns to skin and eyes Runoff from fire control may cause pollution Fire may produce irritating, corrosive and/or toxic gases Inhalation of material may be harmful Inhalation of Asbestos dust may have a damaging effect on the lungs Some liquids produce vapors that may cause dizziness or suffocation
<b>Spill or Leak</b>	Avoid inhalation of asbestos dust Do not touch or walk through spilled material Prevent dust cloud Stop leak if you can do it without risk

**Environmental precautions**

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Pick up and transfer to properly labeled containers.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and storage****Preventive measures for safe handling**

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.
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**Precautions for safe handling**

<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.
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**8. Exposure controls/personal protection****Control parameters**

<b>Exposure guidelines</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies
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**Appropriate engineering controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection** Wear suitable gloves.

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear suitable protective clothing.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
<b>Appearance</b>			
<b>Physical state</b>	: Liquid		
<b>Color</b>	: yellow-orange		
<b>Odor</b>	: Aromatic Solvent		
<b>Odor threshold</b>	: No data available		
<b>pH</b>	: 6 - 8	CIPAC MT 75.3	solution (1%)
<b>Melting point / freezing point °C</b>	: ----		Not applicable
<b>Boiling point / boiling range °C</b>	: No data available		
<b>Flash point °C</b>	: 95	EEC A.9	
<b>Evaporation rate</b>	: No data available		
<b>Flammability (solid, gas)</b>	: Not applicable		
<b>Upper/lower flammability or explosive limits</b>	: No data available		
<b>Vapor pressure kPa</b>	: ----		Not applicable
<b>Vapor density</b>	: No data available		
<b>Relative density</b>	: 0.94 - 1.04	OECD 109	
<b>Solubility(ies) mg/l</b>	: No data available		
<b>Partition coefficient Log Pow</b>	:		See Section 12 for additional Ecological Information
<b>Autoignition temperature °C</b>	: 265	EEC A.15	
<b>Decomposition temperature °C</b>	: No data available		
<b>Kinematic viscosity mm<sup>2</sup>/s 40 °C</b>	: 13.1	OECD 114	
<b>Explosive properties</b>	: Not an explosive	EEC A.14	
<b>Oxidizing properties</b>	: Not oxidizing	EEC A.21	
<b>Surface tension</b>	: No data available		
<b>Particle Size</b>	: Not applicable		

### Other information

**Bulk density g/ml** : Not applicable

## 10. Stability and reactivity

### Reactivity

**Reactivity** Not required.

**Chemical stability**

**Stability** Stable under normal conditions.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid**

**Conditions to avoid** None known based on information supplied.

**Incompatible materials**

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
<b>Oral LD50 mg/kg</b>	: 300 -2000	Rat	OECD 423	
<b>Dermal LD50 mg/kg</b>	: > 2000	Rat	OECD 402	
<b>Inhalation LC50 LC50</b>	: > 9.46	Rat	OECD 403	
<b>Skin corrosion/irritation</b>	: Non-irritating to the skin	Rabbit	OECD 404	
<b>Serious eye damage/eye irritation</b>	: Not irritating to eyes	Rabbit	OECD 405	
<b>Sensitization</b>	: Not a skin sensitizer	Guinea pig	OECD 406	

**Chronic toxicity****Germ cell mutagenicity****Chemical name**

Propiconazole : Not classified

**Carcinogenicity****Chemical name**

Propiconazole : Not Carcinogenic

**Reproductive toxicity****Chemical name**

Propiconazole : May damage fertility or the unborn child

**STOT - Single Exposure****Chemical name**

Propiconazole : No data available

**STOT - Repeated Exposure****Chemical name**

Propiconazole : No data available

**Aspiration hazard****Chemical name**

Propiconazole : No data available

**12. Ecological information****Ecotoxicity****Aquatic toxicity****Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish 96-hour LC50 mg/l	: 2.29	Rainbow trout	OECD 203	
Crustacea 48-hour EC50 mg/l	: 26.1	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/l	: 0.88	Scenedesmus subspicatus	OECD 201	
Other plants EC50 mg/l	:			No data available

**Chronic aquatic toxicity****Fish NOEC mg/l**

: 0.1

**Species**

Rainbow trout

**Method**

OECD 204

**Remarks****Crustacea NOEC mg/l**

: 3.2

OECD 202

**Algae NOEC mg/l**

: &lt; 0.1

OECD 201

**Other plants NOEC mg/l**

: No data available

**Terrestrial Toxicity****Birds Oral LD50 mg/kg****Chemical name**

Propiconazole : &gt; 2510 Mallard duck Bobwhite quail

**Bees Oral LD50 µg/bee****Chemical name**

Propiconazole : &gt;100

**Abiotic Degradation****Water DT50 days****Chemical name**

Propiconazole : 28-64 Stable

**Soil DT50 days****Chemical name**

Propiconazole : 66-170 Not persistent in soil

**Biodegradation****Chemical name**

Propiconazole : Not readily biodegradable

**Log Pow****Chemical name**

Propiconazole : 3.72

**Bioconcentration factor (BCF)****Chemical name**

Propiconazole : 116

**Adsorption/Desorption****Chemical name**

Propiconazole : 382-1789 KOC

## 13. Disposal considerations

### Disposal methods

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.

## 14. Transport information

### ADR

<b>14.1 UN number</b>	UN3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propiconazole)
<b>14.3 Transport hazard class(es)</b>	9
<b>Labels</b>	9
<b>14.4 Packing group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propiconazole), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	274, 335, 601, 375
<b>Classification code</b>	M6

### RID

<b>14.1 UN number</b>	UN3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propiconazole)
<b>14.3 Transport hazard class(es)</b>	9
<b>Labels</b>	9
<b>14.4 Packing group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propiconazole), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	274, 335, 375, 601
<b>Classification code</b>	M6

### IMDG

<b>14.1 UN number</b>	UN3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propiconazole), Marine pollutant
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propiconazole), 9, III, Marine pollutant
<b>14.5 Marine pollutant</b>	P
<b>Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	274, 335, 969
<b>EmS-No</b>	F-A, S-F
<b>IMDG Stowage and segregation</b>	Category A
<b>14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	Not required

### IATA

<b>14.1 UN number</b>	UN3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propiconazole)
<b>14.3 Transport hazard class(es)</b>	9



<b>14.4 Packing group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propiconazole), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	A97, A158, A197
<b>Special Provisions</b>	
<b>ERG Code</b>	9L



\* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids

## 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

## 16. Other information

### Full text of H-Statements referred to under section 3

H227 - Combustible liquid  
H302 - Harmful if swallowed  
H313 - May be harmful in contact with skin  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H360 - May damage fertility or the unborn child  
H400 - Very toxic to aquatic life  
H402 - Harmful to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H360D - May damage the unborn child

<b>Date of preparation of the SDS</b>	No data available
<b>Revision date</b>	09-May-2021
<b>Revision Note</b>	Changes made to the last version are labeled with this sign ***.

### Key or legend to abbreviations and acronyms used in the safety data sheet

IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**List of Acronyms**

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CAS Number - Chemical Abstracts Service number  
EC Number - EINECS and ELINCS Number  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
OECD - Organization for Economic Co-operation and Development  
PBT - Persistent, Bioaccumulative and Toxic substance  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
STOT - Specific Target Organ Toxicity  
vPvB - Very Persistent and Very Bioaccumulative

**The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)****Classification of the mixture**

H302 - Harmful if swallowed  
H360 - May damage fertility or the unborn child  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

**Classification procedure**

Classification based on test data  
Classification based on Calculation method  
Classification based on test data  
Classification based on test data

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text**

**End of Safety Data Sheet**