



# Safety Data Sheet

Revision Date: 10-Aug-2017

Version 2

## 1. IDENTIFICATION

### Product Identifier

**Product Name** **Bumper 432 EC**

### Other means of identification

**SDS #** ADAMA-229

**Registration Number(s)** Pest Control Product Reg. No. 28017  
**UN/ID No** UN3082

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

**Recommended Use** Fungicide.

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ADAMA Agricultural Solutions Canada Ltd.  
300 – 191 Lombard Avenue  
Winnipeg, Manitoba R3B 0X1  
1-855-264-6262

#### Emergency Telephone Number

**Emergency Telephone (24 hr)** For fire, spill and/or leak contact INFOTRAC:  
1-800-535-5053 (North America) 1-352-323-3500 (International)  
For medical emergencies and health/safety inquiries, contact ProPharma Group:  
1-877-250-9291

## 2. HAZARDS IDENTIFICATION

This chemical is a product registered by the Canadian Pest Control Products Act and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-PCPA registered chemicals. Please see Section 15 for additional information. This product has been classified according to Canada's Hazardous Product Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

**Appearance** Clear, brownish liquid

**Physical state** Liquid

**Odor** Aromatic

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Skin sensitization	Category 1

### Signal Word

**Warning**

### Hazard statements

May cause an allergic skin reaction  
Causes skin irritation  
Causes eye irritation

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wear protective gloves/eye protection/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**

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  
 IF ON SKIN: Wash with plenty of water and soap  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4,-triazole]	60207-90-1	41.8

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**First Aid Measures**

<b>General Advice</b>	Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.
<b>Eye Contact</b>	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin Contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Most important symptoms and effects**

**Symptoms** Skin redness and tears.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** There is no specific antidote for this product. Apply symptomatic therapy.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water spray, fog or regular foam.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**Hazardous Combustion Products** NOx, CO, CO2 and chlorides.

**Protective equipment and precautions for firefighters**

Wear suitable protective clothing. Self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** If the product has contaminated surface water, inform the appropriate authorities. Contaminated soil layers have to be dug out. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** In the event of minor spillage: Absorb in sand or other inert material. Use appropriate containment to avoid environmental contamination. In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Keep out of the reach of children. Do not eat, drink or smoke during work; wash hands and face thoroughly before doing so. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes. After work, change clothing and wash entire body thoroughly. Wash contaminated working clothes separately from laundry before use. Do not contaminate food or feed.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** To prevent contamination, store this product away from food or feed.

**Incompatible Materials** Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### **Appropriate engineering controls**

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

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

**Eye/Face Protection** Wear protective goggles or face shield when handling the concentrated product.

**Skin and Body Protection** Long pants, long-sleeved shirt, socks, chemical-resistant footwear and overalls when mixing, handling the product and during equipment cleanup and repairs. The wearing of neoprene gloves by pilots when entering the aircraft is essential.

**Respiratory Protection** In areas with inadequate ventilation a NIOSH-approved chemical cartridge respirator with organic vapor cartridges and pesticide pre-cartridges or a self-contained breathing apparatus may be required when working with this product.

**General Hygiene Considerations** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Aromatic
<b>Appearance</b>	Clear, brownish liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Brownish		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	4-5	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	Not determined	
<b>Flash Point</b>	110°C/230°F	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable	
<b>Flammability Limits in Air</b>		
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not determined	
<b>Vapor Density</b>	Not determined	
<b>Relative Density</b>	Not determined	
<b>Water Solubility</b>	Not determined	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	94.3 mPa(s)	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

### **Other Information**

**Density** 1.062 g/mL

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Under normal conditions of storage and use, hazardous polymerization will not occur.

### Conditions to Avoid

Protect from sunlight, open flame and sources of heat. Decomposes upon heating.

### Incompatible Materials

Strong acids. Strong bases.

### Hazardous Decomposition Products

NO<sub>x</sub>, CO, CO<sub>2</sub> and chlorides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

**Eye Contact** Causes eye irritation.

**Skin Contact** Causes skin irritation.

**Inhalation** Harmful if inhaled.

**Ingestion** Harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4-triazole] 60207-90-1	= 1517 mg/kg ( Rat )	> 4 g/kg ( Rat )	= 1264 mg/m <sup>3</sup> ( Rat ) 4 h

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** May cause an allergic skin reaction.

**Carcinogenicity** Based on the information provided, this product does not meet the definition of a carcinogen.

**Numerical measures of toxicity****Acute Oral LD50 (Rat):** >2,000 mg/kg**Acute Dermal LD50 (Rabbit):** >5,000 mg/kg**Acute Inhalation LC50 (Rat):** >5 mg/L**Eye Irritation:** Irritating**Dermal Irritation:** Irritating**Dermal Sensitization:** A skin sensitizer**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

**Contaminated Packaging**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

**14. TRANSPORT INFORMATION****DOT**

In containers of 119 gallons capacity or less this product is not regulated by DOT For containers greater than 119 gallons:

**UN/ID No**

UN3082

**Proper Shipping Name**

Environmentally hazardous substances, liquid, n.o.s. (Propiconazole)

**Hazard Class**

9

**Packing Group**

III

**Marine Pollutant**

Yes.

**IATA****UN/ID No**

UN3082

**Proper Shipping Name**

Environmentally hazardous substances, liquid, n.o.s. (Propiconazole)

**Hazard Class**

9

**Packing Group**

III

**Marine Pollutant**

Yes

**IMDG**

<b>UN/ID No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substances, liquid, n.o.s. (Propiconazole)
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	Yes

**TDG**

Section 1.45.1 of the TDG Regulations provides an exemption from documentation and safety marks only for this product and only when transported by a road or railway vehicle.

<b>UN/ID No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substances, liquid, n.o.s. (Propiconazole)
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	Yes

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4,-triazole]	X		X	Present				X

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4,-triazole] - 60207-90-1	60207-90-1	41.8	1.0

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4,-triazole] 60207-90-1	X		

**Pesticide Registration Number**      Pest Control Product Reg. No. 28017

**Pest Control Product Statement**

This chemical is a product registered by the Canadian Pest Control Products Act and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-PCPA registered chemicals.

**Product Label**

CAUTION  
POISON  
EYE IRRITANT

**Difference between SDS and product label**

	Product label	SDS
<b>Signal Word</b>	Caution	Warning
Acute toxicity - Oral	Harmful if swallowed	NA
Skin corrosion/irritation	NA	Causes skin irritation
Serious eye damage/eye irritation	Eye irritant	Causes eye irritation
Skin sensitization	NA	May cause an allergic skin reaction

<b>16. OTHER INFORMATION</b>
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**NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical hazards**

Not determined

**Personal Protection**

Not determined

Revision Date:

10-Aug-2017

Revision Note:

Updated address

**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**