

**SECTION 1 Identification****1.1. GHS Product identifier**

Product form : Mixture  
Product name : Monensin Premix

**1.2. Other means of identification**

Other means of identification : Registered product - DIN 02243232

**1.3. Recommended use of the chemical and restrictions on use**

Recommended use : Medicated Feed Premix

**1.4. Supplier's details**

Bio Agri Mix LP  
P.O. Box 399  
Mitchell, ON, N0K 1N0  
Canada  
T 519-348-9865

**1.5. Emergency phone number**

Emergency number : CANUTEC: 1-613-996-6666 (transport)

**SECTION 2 Hazard identification****2.1. Classification of the substance or mixture****Classification (GHS CA)**

Acute toxicity (oral), Category 4 Harmful if swallowed

**2.2. GHS label elements, including precautionary statements****GHS CA labelling**

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Warning

Hazard statements (GHS CA) : Harmful if swallowed

Precautionary statements (GHS CA) : Wash hands, forearms and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
IF SWALLOWED: Call a POISON CENTER or a doctor if you feel unwell.  
Rinse mouth.  
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

# Monensin Premix

## Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022)

Supplementary information

: Exempt - Registered product - (DIN 02243232).

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).

This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Monensin, monosodium salt	Monensin sodium / Monensin sodium salt / Sodium monensin / 1,6-Dioxaspiro(4.5)decane-7-butyrlic acid, 2-(5-ethyltetrahydro-5-(tetrahydro-3-methyl-5-(tetrahydro-6-hydroxy-6-(hydroxymethyl)-3,5-dimethyl-2H-pyran-2-yl)-2-furyl)-2-furyl)-9-hydroxy-.beta.-methoxy-.alpha.,.gamma.,2,8-tetramethyl-, monosodium salt / 1,6-Dioxaspiro[4.5]decane-7-butyrlic acid, 2-[5-ethyltetrahydro-5-[tetrahydro-3-methyl-5-[tetrahydro-6-hydroxy-6-(hydroxymethyl)-3,5-dimethyl-2H-pyran-2-yl]-2-furyl]-2-furyl]-9-hydroxy-.beta.-methoxy-.alpha.,.gamma.-2,8-tetramethyl-, monosodium salt / monensin sodium	CAS-No.: 22373-78-0	10 – 30
Oil White Mineral 7 NF - 5000003443	White mineral oil, WHITE MINERAL OIL, PETROLEUM [ENTRY 2], White mineral oil (petroleum)	CAS-No.: 8042-47-5	3 - 7

Comments

: CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the amended HPR as of December 2022.

# Monensin Premix

## Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022)

### SECTION 4 First-aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash skin with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.
First-aid measures after ingestion	: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
First-aid measures general	: Call a poison center or a doctor if you feel unwell. Medical personnel should be made aware of substance(s) involved and take measures for self protection. Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes. Keep out of the reach of children.

#### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Prolonged inhalation may be harmful.
Symptoms/effects after skin contact	: Prolonged or repeated contact may dry skin and cause irritation.
Symptoms/effects after eye contact	: Direct contact with eyes may cause temporary irritation.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Symptoms may be delayed. Treat symptomatically.
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### SECTION 5 Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media	: Treat for surrounding material.
Unsuitable extinguishing media	: Do not use a water jet since it may cause the fire to spread.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: During fire, gases hazardous to health may be formed. In case of fire or explosion do not breathe fumes.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: May include and are not limited to: oxides of carbon. Sulphur oxides.

#### 5.3. Special protective actions for fire-fighters

Firefighting instructions	: In case of fire: stop leak if safe to do so. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6 Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: In the event of a significant spillage : Notify authorities if product enters sewers or public waters. Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
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Environmental precautions	: Avoid release to the environment.
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#### 6.2. Methods and materials for containment and cleaning up

For containment	: Stop leaks if it can be done without personal risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
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## Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022)

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Clean contaminated surfaces with an excess of water. Minimise generation of dust.

Other information : This material and its container must be disposed of in a safe way, and as per local legislation.

For further information refer to section 13

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust. Do not taste or swallow. Ensure good ventilation of the work station. Wear personal protective equipment. Handle and open container with care.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of reach of children. Store tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Packaging materials : Store always product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

#### Hand protection:

Wear protective gloves. Confirm with a reputable supplier first.

#### Eye protection:

Wear safety glasses with side shields (or goggles).

#### Skin and body protection:

Wear suitable protective clothing. As required by employer code.

#### Respiratory protection:

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

# Monensin Premix

## Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022)

### SECTION 9 Physical and chemical properties

#### 9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: Granular.
Colour	: tan to Brown
Odour	: Characteristic
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 0.74
Solubility	: Water: Negligible
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: Not applicable
Particle characteristics	: No data available

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### SECTION 10 Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Keep away from heat and direct sunlight. Do not mix with other chemicals. Avoid dust formation.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: May include and are not limited to: oxides of carbon. Sulphur oxides.

### SECTION 11 Toxicological information

#### 11.1. Likely routes of exposure

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Monensin Premix	
ATE CA (oral)	500 mg/kg bodyweight
Unknown acute toxicity (GHS CA)	80.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
Monensin, monosodium salt (22373-78-0)	
LD50 oral rat	29 mg/kg (Source: NLM_CIP)

# Monensin Premix

## Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022)

Monensin, monosodium salt (22373-78-0)	
ATE CA (oral)	29 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Likely routes of exposure	: Skin and eyes contact. Ingestion. Inhalation.
Symptoms/effects after inhalation	: Prolonged inhalation may be harmful.
Symptoms/effects after skin contact	: Prolonged or repeated contact may dry skin and cause irritation.
Symptoms/effects after eye contact	: Direct contact with eyes may cause temporary irritation.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

## SECTION 12 Ecological information

### 12.1. Toxicity

Ecology - general	: See below for route-specific details.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### 12.2. Persistence and degradability

Monensin Premix	
Persistence and degradability	Rapidly degradable
Monensin, monosodium salt (22373-78-0)	
Persistence and degradability	Rapidly degradable
Oil White Mineral 7 NF - 5000003443 (8042-47-5)	
Persistence and degradability	Rapidly degradable

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

## SECTION 13 Disposal considerations

Waste treatment methods	: Dispose of the material collected according to regulations.
Sewage disposal recommendations	: Disposal must be done according to official regulations.

# Monensin Premix

## Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022)

Product/Packaging disposal recommendations : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling, disposal or collection.

## SECTION 14 Transport information

In accordance with TDG

TDG	
<b>14.1. UN Number</b>	Not regulated
<b>14.2. UN Proper Shipping Name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group, if applicable</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not regulated
No supplementary information available	

## 14.6. Special precautions for user

TDG

Not regulated

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

## SECTION 15 Regulatory information

All components of this product are present on DSL

## SECTION 16 Other Information

Issue date : 04/11/2025

# Monensin Premix

## Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022)

### Other information

: For an updated SDS, please contact the supplier or manufacturer listed on the first page of the document.

Exempt - Registered product - (DIN 02243232).

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).

This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

### VETERINARY USE ONLY

**WARNINGS:** 1. Do not feed to replacement and laying chickens or turkeys. 2. For indications 1, 2 and 3 (beef cattle): Do not supplement monensin from other sources (e.g. other feedstuffs containing monensin or other slow release devices containing monensin). 3. For indications 4, 5 and 6 (dairy cattle): Do not supplement MONENSIN premix above 16 ppm to dairy cows in herds administered slow release devices containing monensin. 4. When mixing and handling MONENSIN premix, use protective clothing, impervious gloves and a dust mask. Operators should wash thoroughly with soap and water after handling. 5. No pre-slaughter withdrawal (beef cattle, broiler chickens and growing turkeys) or milk withholding time is required when this drug product is used according to the label directions. 6. Keep out of reach of children.

**CAUTIONS:** 1. Do not use MONENSIN premix for treatment of outbreaks of coccidiosis. 2. Do not exceed recommended levels as reduced average daily gains may result. 3. Do not allow canines, horses or other equines, or guinea fowl access to formulations containing monensin. Ingestion of monensin by these species has been fatal. 4. May be used in feeds containing the pellet binding agents bentonite (2%), Attapulgite (2%), Kaolin (2.5%), Lignin Sulfonate (4%), Carboxy Methylcellulose (0.1%) or Agri-Colloid. 5. Poultry consuming monensin should not be treated with products containing tiamulin. Severe growth depression may occur. 6. Some species of turkey coccidia may be monensin tolerant. 7. NOT TO BE USED AFTER EXPIRATION DATE. Do not use thixotropic supplement after eight weeks storage (Westway Feed Products). 8. The 24 g/tonne monensin treatment in primiparous cows may result in the increased incidence of udder edema and increased number of inseminations per full term conception. 9. The continuous use of monensin in dairy cows may be associated with increased rates of twinning and stillbirths, and heavier birth weights for heifer calves.

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