

Advanced Agricultural Products, LLC.

SAFETY DATA SHEET

Product: By-O-reg Canada

Product Number: BX 8254

SECTION 1: IDENTIFICATION

Product Identifiers

Product name : By-O-reg Canada

Product Code(s) : BX 8254

Application of the Substance or Mixture

Product Use : Ingredient in animal feed

Product Restrictions : Not to be used as a direct addition to human food

Details of the Supplier of the Safety Data Sheet

Company Identification : Advanced Ag Products, LLC.
1220 N Dakota
Canton, SD 57013

Emergency Telephone Number : 1-844-229-6734

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Not a hazardous substance or mixture.

GHS Label Elements

Not a hazardous substance or mixture. Calcium carbonate, soybean hulls, chicory root powder, cinnamaldehyde, steam-distilled organum

Hazard(s) Not Otherwise Classified

(HNOC) or not covered by GHS : Material may cause slight irritation on prolonged or repeated contact. Do not handle this material if you have known allergies or otherwise physical reaction to essential oils.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Classification : Substance

Common Name/ Synonyms : Animal feed ingredient

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Hazardous Components

No ingredients are hazardous according to OSHA criteria or the Canada's Workplace Hazardous Materials Information System (WHMIS)

No components need to be disclosed according to the applicable regulations.

SECTION 4: FIRST-AID MEASURES

Description of First Aid Measures

Eye Contact	: Remove contact lenses at once. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical help if needed.
Skin Contact	: Flush skin with plenty of water.
Ingestion	: If victim is conscious and alert, rinse mouth with water as a precaution. Never give anything to an unconscious person.
Inhalation	: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical help immediately.

Most Important Symptoms and Effects, Both Acute and Delayed

No further relevant information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Agents	: Use dry chemical, carbon dioxide, water spray, or alcohol-resistant foam. Use agent most appropriate to extinguish fire.
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Special Hazards Arising From the Substance or Mixture

Carbon oxides

Advice for Firefighters

Protective Equipment	: Wear self-contained breathing apparatus for firefighting if necessary.
Additional Information	: No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. Use proper personal protective equipment as indicated in Section 8.

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Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Materials for Containment and Clean Up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to Other Sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Precautions For Safe Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection. For precautions, see section 2.

Conditions for Safe Storage, Including Any Incompatibilities

Keep container tightly closed in a cool, dry and well-ventilated place.

Specific End Use(s)

Apart from the use(s) mentioned in Section 1, no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROL/ PERSONAL PROTECTION

Control Parameters

Exposure Limits : OSHA and ACGIH have not established specific exposure limits for this material.

Appropriate Engineering Controls

Provide natural or mechanical ventilation to minimize exposure. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult National Fire Protection Association (NFPA) Standard 91 for design of exhaust systems.

Personal Protective Equipment

Eyes : Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin : Wear appropriate protective gloves to prevent skin exposure. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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Clothing	: Wear appropriate protective clothing to prevent skin exposure.
Respirators	: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance:

Form	: Granular Powder
Color	: Off White to Light Tan
Odor	: Aroma of Oregano
Odor Threshold	: No Data Available
pH	: No Data Available
Freezing/ Melting point	: No Data Available
Initial Boiling Point and Boiling Range	: No Data Available
Flash Point	: No Data Available
Evaporation Rate	: No Data Available
Flammability (solid, gas)	: No Data Available
Upper/Lower Flammability or Explosive Limits	: Lower 60 g/m3
Vapor Pressure	: No Data Available
Vapor Density	: No Data Available
Relative Density	: No Data Available
Water Solubility	: Slightly Soluble
Partition Coefficient: n-octanol/water	: No Data Available
Auto-ignition Temperature	: > 195°C
Decomposition Temperature	: No Data Available
Viscosity	: No Data Available
Explosive Properties	: No Data Available
Oxidizing Properties	: No Data Available

Other Safety Information

No further relevant information available.

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

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SECTION 10: STABILITY AND REACTIVITY

Reactivity

No Data Available

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions

No dangerous reactions known.

Conditions to Avoid

No further relevant information available.

Incompatible Materials

No further relevant information available.

Hazardous Decomposition Products

None known

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute toxicity

No Data Available

Inhalation

: No Data Available

Dermal

: No Data Available

Skin Corrosion/Irritation

No Data Available

Serious Eye Damage/Eye Irritation

No Data Available

Respiratory or Skin Sensitization

Material may cause slight irritation on prolonged or repeated contact. Do not handle this material if you have known allergies or otherwise physical reaction to essential oils.

Germ Cell Mutagenicity

No Data Available

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Carcinogenicity

ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Toxicity to Fish : No Information Found

Toxicity to Other Aquatic Invertebrates : No Information Found

Persistence and Degradability

Biodegradability : No Data Available

Biochemical Oxygen Demand (BOD) : No Data Available

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Results of PBT and vPvB Assessment

PBT : Not Applicable

vPcB : Not Applicable

Other Adverse Effects

No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Product

Dispose of in accordance with federal, state and local requirements. Processing, use or contamination of this product may change the waste management options.

Contaminated Packaging

Dispose of container and unused contents in accordance with federal, state and local requirements.

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SECTION 14: TRANSPORTATION INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Regulator	: Domestic (Land, DOT)
Proper Shipping Name	: Not Regulated
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated

Regulator	: International (Water, IMO / IMDG)
Proper Shipping Name	: Not Regulated
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated

Regulator	: International (Air, ICAO / IATA)
Proper Shipping Name	: Not Regulated
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated

SECTION 15: REGULATORY INFORMATION

SARA

Section 302 Extremely

Hazardous Substances	: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
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Section 313 Specific Toxic

Chemical Listings	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
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TSCA (Toxic Substances Control Act)

This product is for FDA regulated product use only.

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

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State Right to Know Components

Massachusetts	: No components are subject to the Massachusetts Right to Know Act.
Pennsylvania	: No components are subject to the Pennsylvania Right to Know Act.
New Jersey	: No components are subject to the New Jersey Right to Know Act.

Carcinogenic Categories

EPA (Environmental Protection Agency): Substance is not listed.

TLV (Threshold Limit Value established

by ACGIH) : Substance is not listed.

NIOSH-Ca (National Institute for

Occupational Safety and Health) : Substance is not listed.

Additional Information

Clean Air Act	: This material does not contain any hazardous air pollutants.
	: This material does not contain any Class 1 Ozone depleters.
	: This material does not contain any Class 2 Ozone depleters.
Clean Water Act	: None of the chemicals in this product are listed as Hazardous Substances under the CWA.
	: None of the chemicals in this product are listed as Priority Pollutants under the CWA.
	: None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

HMIS Rating (scale 0 – 4)

Health Hazard	0
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Chronic Health Hazard	0
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Flammability	0
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Physical Hazard	0
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NFPA Rating (scale 0 – 4)

Health Hazard	0
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Fire Hazard	0
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Reactivity Hazard	0
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Special	: Not Applicable
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SECTION 16: OTHER INFORMATION

SDS Issue Date	February 17, 2022
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SDS Revision Number	01
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Supersedes Issue Date	08/14/2024
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Summary of Changes

Revision No.	Changes
01	Changed Address to current
Original	Created SDS

Disclaimer

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warrant, expressed or implied, regarding its correctness or accuracy. Since the use, handling, storage and disposal of this product are beyond Advanced Agricultural Products, LLC.'s control, it is the responsibility of the user both to determine safe conditions for the use of this product and to assume liability of loss, damage, or expense arising out of the product's improper use. No warranty expressed or implied regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.