

BB5

SECTION 1. IDENTIFICATION

Product Identifier	BB5
Other Means of Identification	Spray water conditioner
Recommended Use	The user should seek the advice of the county agricultural representative or a professional agricultural consultant.
Restrictions on Use	None known.
Manufacturer/Supplier Identifier	NutriAg Limited, 39 Gail Grove, Toronto, Ontario, M9M 1M5
Emergency Phone No.	Canutec, 613-996-6666, 24 hours
SDS No.	0049
Date of Preparation	May 26, 2015

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin irritation - Category 2; Eye irritation - Category 2A

Label Elements



Signal Word:

Warning

Hazard Statement(s):

Causes skin irritation.

Causes serious eye irritation.

Contains 38.5-42% of ingredients with unknown toxicity (Inhalation).

Contains 0.5-1.0% of ingredients with unknown toxicity (Oral).

Contains 8.5-10.0% of ingredients with unknown toxicity (Dermal).

Precautionary Statement(s):

Prevention:

Wash hands and skin thoroughly after handling.

Wear protective gloves.

Wear eye protection/face protection.

Response:

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Specific treatment is advised - see first aid instructions.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international

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regulations.

Other Hazards

Hazard Not Otherwise Classified (HNOC).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Phosphoric acid (85%)	7664-38-2	24.1-24.9	N/A
Nonylphenoethoxylate	Multiple	14-15	N/A

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air.

Skin Contact

Immediately rinse skin with lukewarm, gently flowing water for at least 30 minutes.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay flushing or attempt to remove the lens. Neutral saline solution may be used as soon as it is available. DO NOT INTERRUPT FLUSHING. If necessary, continue flushing during transport to hospital.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If swallowed: can irritate the mouth, throat and stomach.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, skin.

Medical Conditions Aggravated by Exposure

Dermatitis.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Phosphoric acid can react with most metals to produce highly flammable hydrogen gas.

Special Protective Equipment and Precautions for Fire-fighters

Approach fire from upwind to avoid hazardous vapours or gases.

Fire-fighters should enter area wearing specialized protective equipment. (Bunker Gear will not provide adequate protection.) chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Restrict access to area until completion of cleanup. Ensure cleanup is conducted by trained personnel only. Wear adequate personal protective equipment.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Do not return spilled product to its original container.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Transfer equipment should be constructed of chemical-resistant plastic or stainless steel. Do not store in aluminum or steel containers. Wear chemically protective equipment during handling. Use in a well-ventilated area. Do not breathe vapours or mists. Avoid contact with eyes, skin and clothing. Do not wear contact lenses while handling this material. Wash thoroughly after handling. Keep away from extreme heat and flame. Use caution when opening containers.

Conditions for Safe Storage

Store in an area that is: well-ventilated. Store in the original, labelled, shipping container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Phosphoric acid (85%)	1 mg/m ³	3 mg/m ³				

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Dark red.
Odour	Odourless
Odour Threshold	Not available
pH	2 - 3 (1% solution)
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available

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Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.20 - 1.21 at 20 °C (68 °F)
Solubility	Soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Bulk Density	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Reacts with metals to liberate flammable hydrogen gas.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Prolonged exposure to high temperatures. Incompatible materials.

Incompatible Materials

Oxidizing agents (e.g. peroxides), strong bases (e.g. sodium hydroxide).

Hazardous Decomposition Products

During a fire, or when heated to decomposition, irritating/toxic phosphorus oxides, such as phosphorus pentoxide may be generated.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Phosphoric acid (85%)	0.84 mg/L (rabbit) (4-hour exposure)	1530 mg/kg (rat)	2740 mg/kg (rabbit)
Nonylphenoethoxylate		1310 mg/kg (rat)	2000 mg/kg (rabbit)

Skin Corrosion/Irritation

Animal tests show skin corrosion. (Phosphoric acid (85%))

Serious Eye Damage/Irritation

Animal tests show mild irritation. (Phosphoric acid (85%))

STOT (Specific Target Organ Toxicity) - Single Exposure

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Inhalation

Not irritating to the respiratory tract, unless it is introduced into the atmosphere as a spray or mist. May cause nose and throat irritation. (Phosphoric acid (85%))

Skin Absorption

No information was located.

Ingestion

May cause irritation of the mouth, throat and stomach. (Phosphoric acid (85%)) ingestion is not a typical route of occupational exposure.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited. (Phosphoric acid (85%))

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Symptoms may include dry, red, cracked skin (dermatitis). (Phosphoric acid (85%))

Respiratory and/or Skin Sensitization

No information was located for respiratory sensitization.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity**Development of Offspring**

Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Phosphoric acid (85%)	138 mg/L (96-hour)			
Nonylphenoethoxylate	3.8-6.2 mg/L (Pimephales promelas (fathead minnow); 96-hour)			

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose in accordance with all applicable federal, provincial, and local regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Other Information IMDG: Not regulated for transport.

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SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

CEPA - National Pollutant Release Inventory (NPRI)

Part 1B. (Nonylphenoethoxylate)

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By NutriAg Limited

Phone No. 416-636-1555

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Date of Last Revision March 14, 2017

Revision Indicators Version 3.1

The following SDS content was changed on June 08, 2016:

SECTION 14. TRANSPORT INFORMATION; Shipping Information.

The following SDS content was changed on July 26, 2016:

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES; Relative Density.

The following SDS content was changed on March 14, 2017:

SECTION 2. HAZARD IDENTIFICATION; Label Elements.

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