

## BB5 NC

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	BB5 NC
<b>Other Means of Identification</b>	Adjuvent
<b>Recommended Use</b>	The user should seek the advice of the county agricultural representative or a professional agricultural consultant.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer/Supplier Identifier</b>	NutriAg Limited, 39 Gail Grove, Toronto, Ontario, M9M 1M5
<b>Emergency Phone No.</b>	Canutec, 613-996-6666, 24 hours
<b>SDS No.</b>	0140
<b>Date of Preparation</b>	September 23, 2016

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Acute toxicity (Inhalation) - Category 4; Skin corrosion - Category 1B

#### Label Elements



Signal Word:

Danger

Hazard Statement(s):

Harmful if inhaled.

Causes severe skin burns and eye damage.

Contains 19-20% of ingredients of unknown toxicity (inhalation)

Precautionary Statement(s):

Prevention:

Do not breathe dusts or mists.

Wash hands and skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear respiratory protection

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Continue rinsing.

Immediately call a POISON CENTRE or doctor.

Specific treatment (see supplemental first aid instruction on this label).

Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

#### Other Hazards

Hazard Not Otherwise Classified (HNOC).

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Phosphoric acid (85%)	7664-38-2	42-43	N/A	
Polyethylene glycol n-dodecyl ether, liquids	9002-92-0	18-20	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.

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### 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.

## 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 <sup>3</sup>	3 mg/m <sup>3</sup>				
Polyethylene glycol n-dodecyl ether, liquids	Not established		Not established			

### 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

Odour	Odourless
Odour Threshold	Not available
pH	2 - 3 (1% solution)
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Boiling Range	Not available
Flash Point	Not available
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)	1.29 - 1.31 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)
<b>Other Information</b>	
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)
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Phosphoric acid (85%)	0.84 mg/L (rabbit) (4-hour exposure)	1530 mg/kg (rat)	2740 mg/kg (rabbit)
Polyethylene glycol n-dodecyl ether, liquids		8600 mg/kg (rat)	

**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**

**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)			
Polyethylene glycol n-dodecyl ether, liquids	122 mg/L (96-hour)			

## SECTION 13. DISPOSAL CONSIDERATIONS

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## Disposal Methods

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

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1805	Phosphoric Acid Solution	8	III
IATA (Air)	1805	Phosphoric Acid Solution	8	III
US DOT	1805	Phosphoric Acid Solution	8	III

**Other Information** IMDG: UN1805 Phosphoric Acid Solution Class 8 PGIII.

## 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.

#### 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

**Date of Preparation** September 23, 2016

**Date of Last Revision** May 08, 2020

**Revision Indicators** Version 2.2

The following SDS content was changed on November 04, 2016:  
SECTION 2. HAZARD IDENTIFICATION; Classification; Label Elements.

SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity.

The following SDS content was changed on October 19, 2018:

SECTION 14. TRANSPORT INFORMATION; Shipping Information.

The following SDS content was changed on May 08, 2020:

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES; Relative Density.

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