



# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: BUFF ALL CR18**

## SECTION 1: PRODUCT INFORMATION

Distributed By: Bridgepoint Systems, 4282 W 590 W, Salt Lake City, Utah 84123  
Company Phone Number: 801-261-1282  
Emergency Phone Number: 1-800-535-5053 (Infotrac)  
Date Prepared: 02/01/2011

**HMIS Hazard Rating:** (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
Fire: 0 Health: 1 Reactivity: 0

## SECTION 2: INGREDIENTS

| INGREDIENTS:                           | OSHA PEL             | TLV                  |
|--|----------------------|----------------------|
| Monosodium Phosphate (CAS #10049-21-5) | 15 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |

## SECTION 3: HAZARD IDENTIFICATION

Human Health Effects

**EYE CONTACT:** No more than slightly irritating based on toxicity studies. The dry powder may cause foreign body irritation in some individuals.

**SKIN CONTACT:** No more than slightly toxic or slightly irritating based on toxicity studies. Prolonged contact with the dry powder may cause drying or chapping of the skin.

**INHALATION:** Inhalation of the dust may cause coughing and sneezing.

**INGESTION:** Is not toxic if swallowed based on toxicity studies. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed. Swallowing large amounts may cause abdominal discomfort and diarrhea.

**CARCINOGENICITY:**

**NTP:** Known – No; Anticipated – No **OSHA:** No **IARC:** No

## SECTION 4: FIRST AID MEASURES

General

Likely Routes of Exposure: Skin contact and inhalation

#### Eye Contact

Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing. Wash heavily contaminated clothing before reuse.

#### Skin contact

Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing. Wash heavily contaminated clothing before reuse.

#### Inhalation

Immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air.

#### Ingestion

Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

### **SECTION 5: FIRE FIGHTING MEASURES**

#### Extinguishing media

Non-combustible

No special requirement.

#### Unsuitable extinguishable media

Non-combustible

No special requirement.

#### Exposure hazards

No special considerations

#### Protective equipment

As a general precaution, firefighters and others exposed, wear self-contained breathing apparatus.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### Personal precautions

Avoid unnecessary exposure and remove all material from eyes, skin and clothing.

#### Environmental precautions

Small quantities: Avoid discharge into the environment.

Large quantities: Avoid discharge into the environment.

#### Method for cleaning up

In case of spill, sweep, scoop or vacuum all material, contaminated soil and other contaminated material and place in clean, dry containers for removal.

If possible, complete cleanup on a dry basis. After all practical dry cleanup

has been done, residual contamination can be flushed with plenty of water.

## **SECTION 7: HANDLING AND STORAGE**

### Handling:

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing.

### Engineering measures

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.

### Storage

Store in a cool, dry place to maintain product performance.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Occupational Exposure limit

ACGIH TLV 10 mg/m<sup>3</sup> (inhalable) 8-hr TWA, 3 mg/m<sup>3</sup> (respirable) 8-hr TWA

OSHA PEL 15 mg/m<sup>3</sup> (total dust) 8-hr TWA, 5 mg/m<sup>3</sup> (respirable) 8-hr TWA

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise regulated (PNOR) and particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

### Respiratory protection

Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 1910.134 or European Standard EN 149.

### Hand/Skin protection

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

### Eye protection

This product does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact. Refer to OSHA 29 CFR 1910.133 or European Standard EN166.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Odor :** None

**Physical State:** Powder

**Appearance:** White

**pH as 1% solution:** 4.6

**Specific Gravity :** N/E

**Boiling Point:** N/E

**Freezing/Melting Point:** N/E

**Vapor Pressure:** N/E

**Vapor Density:** N/E

**Solubility in Water:** 48% by weight @ 25 degrees C

## **SECTION 10: STABILITY AND REACTIVITY**

Product is stable under normal conditions of storage and handling.

Conditions to avoid

None known.

Materials to avoid

None known.

Hazardous decomposition

None known.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

The dry powder or granules may cause foreign body irritation in some individuals. Prolonged contact with the dry powder may cause drying or chapping of the skin. Excessive inhalation of dust may be annoying and can mechanically impede respiration.

Sodium phosphates have been used as therapeutic agents in medicinal preparations for their laxative effects. These phosphate salts are incompletely absorbed from the intestinal tract. Due to their osmotic activity, they draw water into the intestine and produce purging.

Laboratory data

Data from ICL Performance Products LP single-dose (acute) animal studies with this material are given below:

Oral - rat LD50: 7,100 mg/kg; practically nontoxic

Dermal - rabbit LD50: >7,940 mg/kg; practically nontoxic

Eye Irritation - rabbit: 1.3/110.0; practically nonirritating

Skin Irritation - rabbit: 0.0/8.0; nonirritating

No adverse genetic effects were reported in standard tests using bacterial and yeast cells.

## **SECTION 12: ECOLOGICAL INFORMATION**

#### Environmental toxicity

The following data have been classified using the criteria adopted by the European Economic Community (EEC) for aquatic organism toxicity.

Invertebrate: 48-hr EC50 Daphnia magna: >1,000 mg/L; Practically nontoxic

Warmwater fish: 96-hr. LC50 - Bluegill sunfish: 6,400 mg/L; Practically nontoxic

Coldwater fish: 96-hr. LC50 - Rainbow trout: 3,200 mg/L; Practically nontoxic

#### Environmental fate

No definitive algal toxicity or biodegradation data was available for this material.

#### **SECTION 13: DISPOSAL CONSIDERATION**

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

#### **SECTION 14: TRANSPORTATION INFORMATION**

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

#### **SECTION 15: REGULATORY INFORMATION**

All components are listed on TSCA.

#### **SECTION 16: OTHER INFORMATION**

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. BRIDGEPOINT SYSTEMS MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A = Not applicable N/D = Not determined N/E = Not established