

# Material Safety Data Sheet

America West  
P.O. Box 730  
Pasco, WA 99301

Phone: (888) 547-5475  
Prepared: 7/25/06  
Updated:

**MSDS Date:** 7/25/06  
**Product Name:** Calcium Chloride with Boost™  
**Manufacturer:** America West

## I. Product and Company Description

America West  
P.O. Box 730  
Pasco, WA 99301

**Emergency Phone Numbers:**  
(800) 424-9300 CHEMTREC

**For Product Information:**  
(888) 547-5475

**Chemical Name or Synonym:**  
NA

**Molecular Formula:**  
NA

## II. Chemical Composition

The identity of individual components of this mixture is proprietary information and is regarded to be a trade secret pursuant to Section 1910.1200 of Title 20 of The Code of Federal Regulations.

## III. Hazards Identification

### National Paint & Coating Hazardous Materials Identification System – HMIS(R):

Health Hazard Rating: 1  
Flammability Rating: 0  
Reactivity Rating: 0

### Potential Health Effects:

**Acute Eye:**  
May cause irritation.

**Acute Skin:**  
Prolonged or repeated exposure may cause irritation and possible skin burns.

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**Acute Inhalation:**

Mists may cause irritation to the respiratory tract.

**Acute ingestion:**

May cause gastrointestinal irritation or ulceration.

**Chronic effects:**

Not Determined

## IV. First Aid Measures

### First Aid Measures for Accidental:

**Eye Exposure:**

Immediately flush eyes with copious amounts of water. If irritation develops, SEEK MEDICAL ATTENTION.

**Skin Exposure:**

Wash affected areas with soap and water. If irritation develops, SEEK MEDICAL ATTENTION. Remove and launder contaminated clothing before reuse.

**Inhalation:**

Move to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. SEEK MEDICAL ATTENTION.

**Ingestion:**

SEEK MEDICAL ATTENTION.

## V. Fire Fighting Measures

### Fire Hazard Data:

**Flash Point:** Not Determined

**Flammability Limits (vol/vol%):**

**Lower:**  
N/A

**Upper:**  
N/A

**Extinguishing Media:**

Use appropriate media to extinguish surrounding fire.

**Special Fire Fighting Procedures:**

Fire fighters should use self-contained breathing apparatus and suitable protective clothing.

**Unusual Fire and Explosion Hazards:**

None.

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**Hazardous Decomposition Materials (Under Fire Conditions):**  
ND

## VI. Accidental Release Measures

### Cleanup and Disposal of Spill:

Use personal protective equipment (see Section VIII) when cleaning spill. Contain spilled material in the most convenient and safe manner. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

## VII. Handling and Storage

### Handling:

Use only with adequate ventilation. Avoid contact with skin and eyes.

### Storage:

Keep package tightly closed and in a cool, dry location.

## VIII. Exposure Controls / Personal Protection

### Exposure Guidelines:

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
Proprietary	ND	ND	ND

### Engineering Controls:

Provide adequate ventilation

### Respiratory Protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or EN approved respirator when necessary.

### Eye / Face Protection:

Wear safety glasses with side shields or goggles.

### Skin Protection:

Wear chemical resistant gloves and protective clothing to minimize skin contact.

## IX. Physical and Chemical Properties

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**Physical Appearance:** Dark Brown Liquid

**Odor:** Molasses like

**pH:** ND

**Specific Gravity:** ND

**Water Solubility:** Readily miscible

**Melting Point:** ND

**Freezing Point** ND

**Boiling Point:** ND

**Vapor Pressure:** ND

**Vapor Density:** ND

**Percent Volatiles by Volume:** ND

**Viscosity:** ND

## X. Stability and Reactivity

**Chemical Stability:**  
Stable

**Conditions to Avoid:**  
None

**Materials / Chemicals to Be Avoided:**  
None

**Hazardous Decomposition Products:**  
None

**Hazardous Polymerization:**  
Will not occur.

## XI. Toxicological Information

**Acute Eye Irritation:**  
May cause irritation with corneal injury.

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## Acute Skin Irritation:

Prolonged or repeated exposure may cause irritation.

## Acute Respiratory Irritation:

Mists may cause irritation to the respiratory tract.

## Acute Oral Toxicity:

LD50, Rat: 900 - 2,100 mg/kg

## Skin Absorption:

For the major component(s): LD50, Rabbit: > 5,000 mg/kg

## Genetic Toxicology

The data presented are for the following material calcium chloride or CaCl<sub>2</sub> In vitro genetic toxicity studies were negative. The data presented are for the following material potassium chloride In vitro genetic toxicity studies were positive. However, the relevance of this to humans is unknown.

## XII. Ecological Information

### Ecotoxicological Information:

Data for Component: **Calcium chloride**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 >100 mg/L in the most sensitive species tested).

#### Fish Acute & Prolonged Toxicity

LC50, bluegill (*Lepomis macrochirus*): 8,350 - 10,650 mg/l

LC50, mosquito fish (*Gambusia affinis*): 13,400 mg/l

#### Aquatic Invertebrate Acute Toxicity

LC50, water flea *Daphnia magna*: 759 - 3,005 mg/l

#### Toxicity to Micro-organisms

EC50; activated sludge, respiration inhibition: > 1,000 mg/l

Data for Component: **Potassium chloride**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 >100 mg/L in the most sensitive species tested).

#### Fish Acute & Prolonged Toxicity

LC50, rainbow trout (*Oncorhynchus mykiss*): 4,236 mg/l

#### Aquatic Invertebrate Acute Toxicity

EC50, water flea *Daphnia magna*, immobilization: 590 mg/l

LC50, water flea *Ceriodaphnia dubia*: 3,470 mg/l

Data for Component: **Sodium chloride**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 >100 mg/L in the most sensitive species tested).

#### Fish Acute & Prolonged Toxicity

LC50, fathead minnow (*Pimephales promelas*): 10,610 mg/l

#### Aquatic Invertebrate Acute Toxicity

LC50, water flea *Daphnia magna*: 4,571 mg/l

LC50, water flea *Ceriodaphnia dubia*: 924 - 4,205 mg/l

#### Toxicity to Micro-organisms

IC50, OECD 209 Test; activated sludge, respiration inhibition: > 1,000 mg/l

EC50; activated sludge, respiration inhibition: > 1,000 mg/l

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## XIII. Disposal Considerations

### Waste Disposal Method:

Dispose of in accordance with federal, state and local regulations.

## XIV. Transportation Information

### US Department of Transportation Shipping Name:

Not regulated

## XV. Regulatory Information

### Federal Regulations:

#### SARA Title III Hazard Classes:

Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	Yes
Chronic Health Hazard:	No

### Other Regulations:

State  
None

## XVI. Other Information

### Key Legend Information:

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

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IARC – International Agency for Research on Cancer

**The information contained herein is based on the data available to us and is believed to be correct. However America West makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.**