

Health	1
Flammability	0
Reactivity	0
Personal Protection	B



8417 Chapin Industrial Drive  
 St. Louis, MO 63114  
 Phone: 314.423.1919 / 800.325.4404  
 Fax: 314.423.3914

July 16, 2002

## MATERIAL SAFETY DATA SHEET

### SECTION I - General Information

**Product Name:** ColorPAC XLS, P2-RA, (Bleach-fix part A) & CP-48 P2S Bleach-fix Start Up Kit, P2A (Bleach-fix part A)

**Catalog Number:** 35CP343, 35BF345

**Formula:** Aqueous Solution

### SECTION II - Product and \*Hazardous Ingredients Information

<u>Concentrate</u>	<u>CAS #</u>	<u>PERCENT</u>	<u>PEL</u>	<u>SARA RQ / TPQ</u>
Ferric Ammonium EDTA	021265-50-9	15-20	N/A	N/A N/A
Ammonium Nitrate	6484-52-2	<1	N/A	N/A N/A
Water	7732-18-5	85-90	N/A	N/A N/A

### SECTION III - Physical Data

#### Concentrate

BOILING POINT: >212° F  
 VAPOR DENSITY (mmHg): same as water  
 SPECIFIC GRAVITY: ~ 1.17  
 EVAPORATION RATE: no data  
 APPEARANCE AND ODOR: Dark red-brown liquid, slight acetic odor.

VAPOR PRESSURE (mmHg): same as water  
 SOLUBILITY IN WATER: Complete  
 pH: ~ 5.95  
 PERCENT VOLATILE BY WEIGHT: ~ 85 %

### SECTION IV - Fire and Explosion Hazard Data

**Flash Point:** None      **Flammable Limits: LEL:** None **UEL:** None

**Extinguishing Media:** Use water fog, carbon dioxide, dry chemical, or foam.

**Special Fire Fighting Procedures:** Use positive pressure self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual Fire and Explosions Hazards:** Fire may cause product to decompose.

### SECTION V - Health Hazard Data

#### **Effects of Overexposure:**

**Inhalation:** Expected to be a low hazard under normal conditions. Use adequate ventilation.

**Eyes:** May cause severe transient irritation.

**Skin:** Repeated and prolonged contact may cause irritation and possible allergic skin reaction.

**Ingestion:** Do not take internally. Expected to be a low ingestion hazard in low quantities. Large quantities may be harmful.

**TLV (ACGIH):** N/A

#### **Emergency First Aid Procedures:**

**Inhalation:** Move to fresh air.

**Eyes:** Flush with large amounts of water for 15 minutes. Seek medical attention.

**Skin:** Wash skin with soap and water. If irritation occurs, seek medical attention.

**Ingestion:** Drink 1-2 glasses of water. Seek medical attention immediately giving full details of amount ingested and toxicity.

**Carcinogenicity:** N/A • **Teratogenicity:** N/A • **Reproductive Toxicity:** N/A • **Mutagenicity:** N/A •

**Synergistic Products:** N/A

## **SECTION VI - Reactivity Data**

**Stability:** Stable under recommended storage conditions.

**Incompatibility:** Avoid contact with oxidizing materials. Flammable hydrogen is produced if material encounters carbon steel.

**Hazardous Decomposition Products:** Can produce oxides of nitrogen and hydrogen gas.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Keep container closed and away from oxidizing materials.

## **SECTION VII - Spill or Leak Procedure**

**Steps to be Taken in Case Material is Released or Spilled:** Wear protective clothing as specified in Section VIII. If federal, state and local laws permit, flush to the sewer with large amounts of water.

**Waste Disposal:** If federal, state and/or local laws permit, flush to sewer with large amounts of water. Otherwise dispose of contaminated product and materials used in cleaning up the spill in a manner approved for this material. Consult proper federal, state and/or local regulatory agencies to ascertain proper disposal procedures.

## **SECTION VIII - Special Protection Information**

**Respiratory Protection (Specify Type):** Should not be necessary under normal conditions.

**Ventilation:** Good local mechanical ventilation should be sufficient.

**Protective Equipment:**

**Gloves:** Impervious gloves.

**Eyes:** Wear protective goggles.

**Other:** As necessary to prevent skin contact. Eyewash facilities in vicinity of use. The routine use of a non-alkaline type hand cleaner will minimize the possibility of an allergic skin reaction.

## **SECTION IX - Special Precautions**

**Precautions to be Taken in Handling and Storage:** Do not store or consume food, drink or tobacco in area. Wash thoroughly after use. Refer to section VI, incompatibility. Store product in original container and keep away from oxidizing materials.

The information contained in this material safety data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.

Health	1
Flammability	0
Reactivity	0
Personal Protection	B



8417 Chapin Industrial Drive  
 St. Louis, MO 63114  
 Phone: 314.423.1919 / 800.325.4404  
 Fax: 314.423.3914

July 16, 2002

## MATERIAL SAFETY DATA SHEET

### SECTION I - General Information

**Product Name:** CP-48 P2S Bleach-fix Start Up Kit, P2B (Bleach-fix part B)

**Catalog Number:** 35BF345

**Formula:** Aqueous Solution

### SECTION II - Product and Hazardous Ingredients Information

ITEM	CAS #	PERCENT	PEL	SARA	
				RQ /	TPQ
Ammonium Thiosulfate	7783-18-8	30-35	N/A	N/A	N/A
Ammonium Bisulfite	10192-30-0	5-10	N/A	N/A	N/A
Ammonium Sulfite	17026-44-7	5-10	N/A	N/A	N/A
Water	7732-18-5	N/A	N/A	N/A	N/A

### SECTION III - Physical Data

**BOILING POINT:** >212° F

**VAPOR DENSITY (mmHg):** 0.6

**SPECIFIC GRAVITY:** 1.26

**PERCENT VOLATILE BY WEIGHT:** ~ 55 %

**APPEARANCE AND ODOR:** Clear light yellow color, ammonia odor.

**VAPOR PRESSURE (mmHg):** 17

**SOLUBILITY IN WATER:** Complete

**pH:** ~ 6.75

**EVAPORATION RATE:** N/A

### SECTION IV - Fire and Explosion Hazard Data

**Flash Point:** None

**Flammable Limits: LEL:** N/A **UEL:** N/A

**Extinguishing Media:** Use method appropriate for surrounding fire.

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual Fire and Explosions Hazards:** When heated to decomposition, it can emit toxic fumes of ammonia and SO<sub>x</sub>.

### SECTION V - Health Hazard Data

**TLV (ACGIH):** Sulfur Dioxide, TLV = 2 ppm, STEL = 5 ppm (15 min.)

#### Effects of Overexposure:

**Inhalation:** Expected to be a low hazard under normal conditions.

**Eyes:** Will cause severe irritation and possible burns.

**Skin:** Repeated and prolonged contact may cause irritation.

**Ingestion:** Do not take internally. May cause severe irritation to upper digestive tract. May cause nausea.

#### Emergency First Aid Procedures:

**Eyes:** Flush with large amounts of water for 15 minutes. Seek medical attention.

**Skin:** Wash skin with soap and water. If irritation occurs, seek medical attention.

**Ingestion:** Induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.

**Inhalation:** Move to fresh air.

**NON-CARCINOGENIC:** • **Teratogenicity:** N/A • **Reproductive Toxicity:** N/A • **Mutagenicity:** NA •

**Synergistic Products:** N/A

## **SECTION VI - Reactivity Data**

**Stability:** Stable.

**Incompatibility:** Strong acids, strong alkalis.

**Hazardous Decomposition Products:** When heated to decomposition, it can emit toxic fumes of ammonia and SO<sub>x</sub>. Contact with strong acids will release SO<sub>2</sub> and contact with strong alkalis will release ammonia.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Do not store near strong acids or strong alkalis.

## **SECTION VII - Spill or Leak Procedure**

**Steps to be taken in Case Material is Released or Spilled:** Wear protective clothing as specified in Section VIII. Neutralize with sodium bicarbonate. If federal, state and local laws permit, flush to the sewer with large amounts of water.

**Waste Disposal:** Neutralize with sodium bicarbonate. If federal, state and/or local laws permit, flush to sewer with large amounts of water. Otherwise dispose of contaminated product and materials used in cleaning up the spill in a manner approved for this material. Consult proper federal, state and/or local regulatory agencies to ascertain proper disposal procedures.

## **SECTION VIII - Special Protection Information**

**Respiratory Protection (Specify Type):** Should not be necessary under normal conditions. **Ventilation:** Good local mechanical ventilation should be sufficient.

### **Protective Equipment:**

**Gloves:** Impervious gloves.

**Eyes:** Wear protective goggles.

**Other:** As necessary to prevent skin contact. Eyewash facilities in vicinity of use.

## **SECTION IX - Special Precautions**

**Precautions to be taken in Handling and Storage:** Do not store near strong acids or strong alkalis. Wash thoroughly after use.

The information contained in this material safety data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.