The Brownfield Co., Inc.
312 Aycock Street
Arabi, LA 70032

Mailing Address:
P.O. Box 343
Arabi, LA 70032

# SAFETY DATA SHEET (SDS)

## Section 1 - Identification

**Product Identifier:** Chemprime® Rust Converter and Inhibitor (NSN-6850-01-258-1225)
**Chemical Formula:** Acid Formula with Forest Green Appearance
**Other Means of Identification:** Stock No. 12201-Quart, Stock No. 51101-Gallon Bottle, Stock No. 51105-5 Gallon Pail Stock No. 51155-55 Gallon Drum
**Recommended Use:** Chemically converts rust to an inert iron-zinc strontium cellular film
**Recommended Restrictions:** None known

**IN THE EVENT OF AN EMERGENGY SPILL, LEAK, FIRE OR ACCIDENT CALL TOLL FREE 24 HOURS, (800) 843-2254.**

For additional non-emergency information call (504) 945-8530, Monday-Friday 8:00 a.m.- 5:00 p.m. CDT or email us at brownfieldco@bellsouth.net

## Section 2 - Hazard(s) Identification

**Physical Hazards:** Not Classified

**Health Hazards:**

| | |
|---|---|
| Skin Corrosion/Irritation | Category 1B |
| Serious Eye Damage/Eye Irritation | Category 1 |
| Acute Toxicity, Inhalation | Category 4 |
| Specific Target Organ Toxicity- Single Exposure | Category 3 (Respiratory Tract Irritation) |

**Environmental Hazards:** Not Classified

**OSHA Defined Hazards:** Corrosive

**Pictogram:**

**Signal Word:** Danger

**Hazard Statement:** Causes severe skin burns and serious eye damage. Harmful if inhaled. May cause respiratory irritation.

**Precautionary Statements**

**Prevention:** Do not breathe dust, fumes, gas, mist, vapors or spray. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Wear protective gloves and clothing. Wear eye face protection. Do not eat, drink or smoke when using this product.

**Response: If Swallowed:** Rinse mouth. Do NOT induce vomiting. **If on Skin (or Hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before use. **If Inhaled:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center or physician. **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 or control center or physician. **In case of Fire:** Use appropriate media to extinguish.

**Storage:** Keep out of reach of children and animals. Do not allow product to freeze. Keep container tightly closed. Store in a well-ventilated place. Store locked up.

**Disposal:** Dispose of contents or container in accordance with local/regional/national/international regulations.

**Hazard(s) Not Otherwise Classified (HNOC):** None known

## Section 3 – Composition/Information on Ingredients

| COMPONENT | CAS No. | % |
|---|---|---|
| Phosphoric Acid | 7664-38-2 | 20-40 |

***Other Components:** Water, Wetting Agents, Zinc and Strontium (Polyvalent), Dye.

*Specific chemical identities and/or percentages of this product have been withheld as a trade secret.

## Section 4 - First Aid Measures

**If In Eyes:** Open eyelids and rinse immediately with clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

**If On Skin:** Remove contaminated clothing and/or footwear. Flush skin with water for several minutes. Launder clothing before reuse. Seek medical attention if irritation or burning persists.

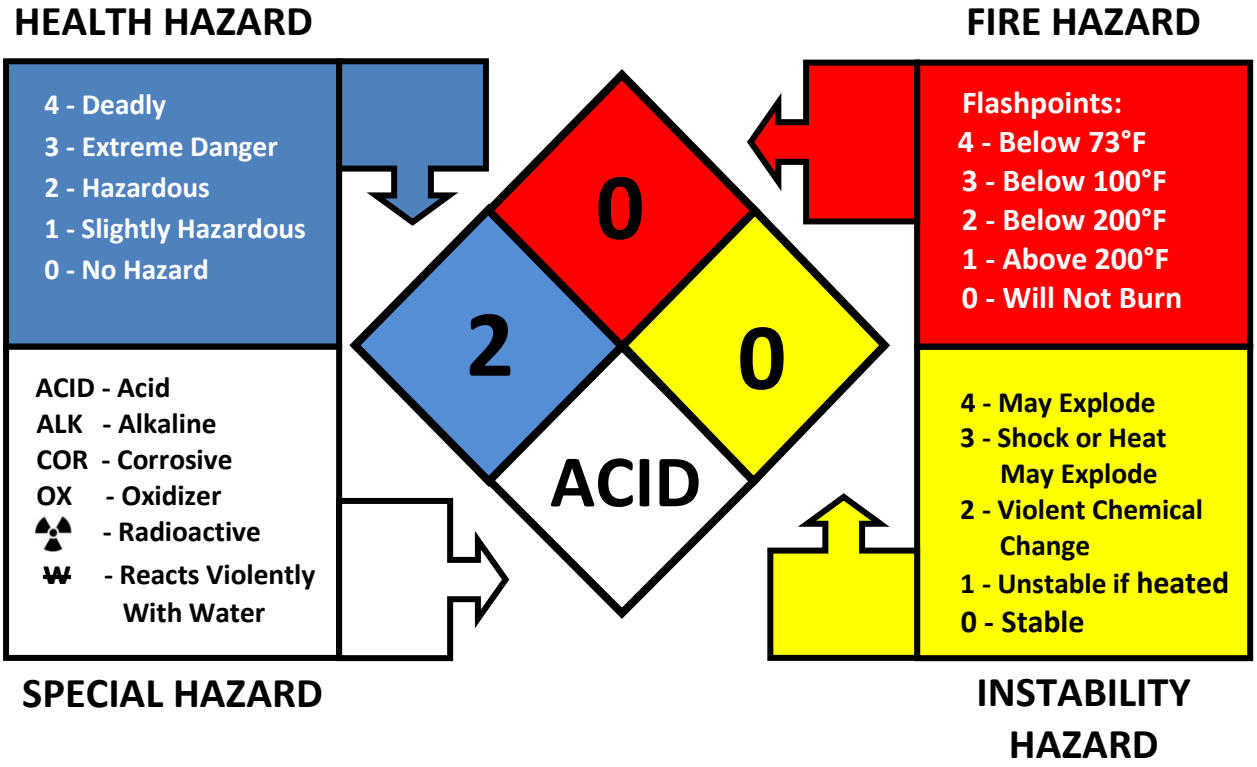
**If Inhaled:** Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, administer oxygen. In case of respiratory arrest, administer artificial respiration. Seek medical attention if problems continue or develop.

**If Ingested:** Rinse mouth with water. Do not induce vomiting. Dilute with several glasses of milk. Seek medical attention immediately or call poison control center.

**General information:** If exposed or concerned, seek medical attention. Ensure medical personnel are aware of material involved and take measures to protect themselves. Show this SDS to the doctor in attendance.

## Section 5 - Fire Fighting Measures

# NFPA RATING EXPLANATIONS




**Flashpoint:** Not flammable or combustible.
**Extinguishing Media:** Not applicable.

## Section 6 - Accidental Release Measures

Wear appropriate protective equipment (see Section 8 of this SDS) to prevent any contamination of skin, eyes and personal clothing. Contain spill area and prevent entry into waterways, sewers or basements. Absorb, sweep, scoop material and place into chemical waste containers. Neutralize remaining residual with appropriate materials. Do not release into drains, surface and ground water. Dispose of according to Federal, State and Local regulations. Large spills should be handled by trained personnel with appropriate protective clothing and equipment. Spills in reportable quantities must be reported as per US Regulations (CERCLA).

## Section 7 - Handling and Storage

**Handling:** Wear appropriate personal protective equipment (PPE). Do not breathe mist, vapors, spray or fumes. Do not get in eyes, skin, or on clothing. Avoid prolonged exposure. Do not taste or swallow. Use outdoors only or in a well-ventilated area. Wash hands thoroughly after handling. Avoid excessive heat. Do not mix this product with any other chemical.

**Storage:** Store locked up. Keep out of reach of children and animals. Store in a cool, dry place out of direct sun light. Do not allow to freeze. Keep cap tight on container when not in use. Store away from materials that may be incompatible.

## Section 8 - Exposure Controls/Personal Protection

**Occupational Exposure Limits:**

| COMPONENT | CAS No. | OSHA PEL* | ACGIH TLV* |
|---|---|---|---|
| Phosphoric Acid | 7664-38-2 | 1mg/m³ | 1 mg/m³ |

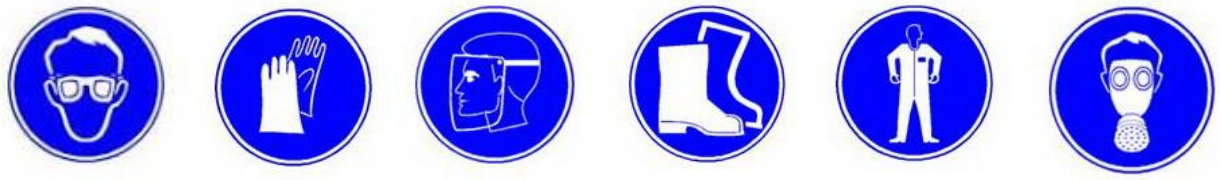
*Based on 8-hour time weighted averages

**Biological Limit Values:** Not known

**Appropriate Engineering Controls:** Provide natural or mechanical ventilations to control exposure levels below airborne exposure limits listed above. If possible, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. Avoid breathing vapors, spray, gas, mist or fumes. Use only in well ventilated areas.

**Individual Protection Measures, Personal Protective Equipment (PPE):**

**SELECT THE APPROPRIATE LEVEL OF PERSONAL PROTECTION (PPE) BASED ON INTENDED USE.**



**Eye/Face Protection:** Wear protective eyeglasses (with side shields), face shield or chemical safety goggles per 29 CFR 1910.133. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses. Have eyewash/shower facilities immediately available.
**Skin Protection:** Wear chemically protective gloves (Nitrile, Neoprene), rubber boots, aprons or gauntlets to prevent prolonged or repeated skin contact. Wash hands and contaminated skin thoroughly after handling. Have safety shower facilities immediately available.
**Respiratory Protection:** Avoid breathing vapors, spray, gas, mist or fumes. Use outdoors or in well ventilated areas only. If ventilation is inadequate or exposure limits are exceeded in Section 8, a full-face piece respirator with an acid gas cartridge must be worn. If you use Chemprime® in a closed compartment or room, use must use a NIOSH/MSHA approved respirator. Consult the respirator manufacturer to determine the appropriate type of equipment need for a given application. Observe all respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.
**Thermal Hazards:** Wear appropriate thermal protective clothing when necessary.

## Section 9 - Physical and Chemical Properties

| | |
|---|---|
| **Physical State:** Liquid | **Upper Lower Flammability or Explosive Limits:** None |
| **Appearance:** Forest green color | **Vapor Pressure (mm Hg):** 30 |
| **Odor:** Acidic | **Vapor Density (Air=1):** 1.12 |
| **Odor Threshold:** Not available | **Relative Density:** Not available |
| **pH:** <1 | **Solubility:** Complete |
| **Melting Point:** Not available | **Partition Coefficient (N-Octanol/Water):** Not available |
| **Initial Boiling Point and Boiling Range:** Not available | **Auto-Ignition Temperature:** Not applicable |
| **Flash Point:** None | **Decomposition Temperature:** Not available |
| **Evaporation Rate:** Not available | **Viscosity:** Not Available |
| **Flammability (Solid, Gas):** Not applicable | **% Volatiles by Volume (70°F):** 0 |
| **Specific Gravity ($H_2O$=1 at 4 °C):** 1.15 | **Volatile Organic Compound:** Inorganic |

## Section 10 - Stability and Reactivity Information

**Reactivity:** Chemprime® is stable under normal conditions of storage and transport.
**Chemical Stability:** Chemprime is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
**Conditions to Avoid:** Avoid extreme heat. Do not allow product to freeze.
**Incompatible Materials:** Avoid contact with high pH (alkaline) chemicals and strong oxidizing agents. Reactions with other materials may liberate toxic and/or explosive hydrogen gases.
**Hazardous Decomposition Products:** No hazardous decomposition products are known.

## Section 11 - Toxicological Information

**Information on Likely Routes of Exposure:**
**Eye Contact:** Causes serious eye damage. Symptoms may include pain, stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
**Skin Contact:** Harmful if in contact with skin. Causes severe skin burns. Burning may be delayed. Prolonged exposure may cause irritation, redness, pain and destruction of skin tissue.
**Inhalation:** Harmful if inhaled. May cause respiratory irritation if inhaled as mist or if the product is vaporized. Burning of the nose, throat and respiratory tract.
**Ingestion:** Harmful if swallowed. May cause burning to the mouth, throat and abdomen. Vomiting and diarrhea may result.

**Symptoms Related to The Physical, Chemical and Toxicological Characteristics:** See above.
**Skin Corrosion/Irritation:** Causes severe skin burns.
**Serious Eye Damage/Eye Irritation:** Causes serious eye damage.
**Respiratory Sensitization:** No data available.
**Skin Sensitization:** No data available.
**Germ Cell Mutagenicity:** No data available.
**Carcinogenicity:** No data available.
**Reproductive Toxicity:** No data available.
**Specific Target Organ Toxicity (Single Exposure):** Respiratory tract irritation.
**Specific Target Organ Toxicity (Repeated Exposure):** No data available.
**Aspiration Hazard:** Prolonged inhalation may be harmful.
**Chronic Effects:** None known.

## Section 12 – Ecological Information

**Ecotoxicity:** Not classified as environmentally hazardous.

**Persistence and Degradability:** No data available on the biodegradation of this product.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** Large or frequent spills may potentially have a harmful effect on the environment.

## Section 13 – Disposal Considerations

**Disposal Methods:** Do not allow this product to enter drains or waterways. Collect and reclaim product in disposal containers at a licensed waste disposal site. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (Exposure Controls and Personal Protection) of the SDS.
**Disposal Regulations:** Dispose of waste in accordance with local, state, federal, and international regulations.
**Contaminated Packaging:** Empty containers contain residue. Follow label warnings even after container is emptied.

## Section 14 - Transportation Information

*Note: This information is provided as reference only. Refer to appropriate regulations to properly classify your shipment for transportation.*

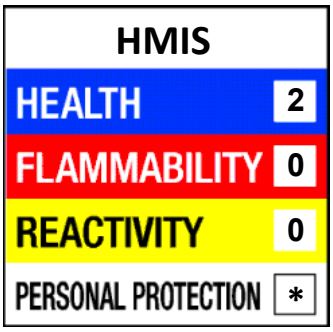
**UN Number:** 1805
**DOT Shipping Information:** UN1805, Phosphoric Acid Solution, 8, PG III
**Hazard Class:** 8
**Packing Group:** III
**Marine Pollutant:** No
**Emergency Response Guidebook No. (ERG):** 154
**Poison Inhalation Hazard:** No

## Section 15 - Regulatory Information

**OSHA Hazards:** Corrosive
**Emergency Planning and Community Right-to-Know Act (EPCRA), Extremely Hazardous Substances (EHS)**
This product does not contain any chemicals subject to the reporting requirements of SARA Title III, Section 302
**Emergency Planning and Community Right-to-Know Act (EPCRA), Toxic Chemical Release Inventory Reporting**
This product does not contain any chemicals subject to the reporting requirements of SARA Title III, Section 313

## Section 16 - Other Information

**National Stock Number:** 6850-01-258-1225




***Select Personal Protection Equipment (PPE) Based on Intended Use.**

**Notice/Disclaimer:** All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, The Brownfield Co., Inc. makes no representations as to its accuracy or sufficiency. Conditions of use are beyond The Brownfield Co., Inc. control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purpose and they assume all risks of their use, handling, and disposal of this product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein and does not relate to its use in combination with any other material or in any other process.

# End of SDS