

**MATERIAL SAFETY DATA SHEET**Information Telephone:  
252-232-3975**Emergency Telephone:**  
1-800-714-5540**I. IDENTIFICATION**

PRODUCT NAME                    CorrGUARD - 110  
 CHEMICAL NAME                 Liquid Proprietary Acidic Zinc Phosphate Formulation  
 SYNONYMS                        Zinc Orthophosphate C G - 110  
 D.O.T. HAZARD CLASS           \*Corrosive Material  
 D.O.T. SHIPPING NAME         \*Corrosive Liquid, n.o.s.  
 FORMULA                         Zn<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>  
 EPA REG.                         Not Applicable  
 UN No.                          UN1760  
 CAS No.                         77790-90-0

\*Applicable only to drum shipments non-corrosive in bulk quantities.

**II. PHYSICAL DATA**

PHYSICAL STATE                 Clear, water white, odorless liquid  
 BOILING POINT                 No Data  
 FREEZING POINT                Less than -38° C  
 VAPOR PRESSURE                Not Applicable  
 SPECIFIC GRAVITY               1.47 @ 70° F  
 SOLUBILITY IN WATER, WT%     Soluble  
 VOIATILES VOLUME %         Not Applicable  
 EVAPORATION RATE             Not Applicable  
 pH                                0.8

**III. HAZARDOUS COMPONENTS GREATER THAN 1%**

MATERIAL	PEL	TLV	CAS. NO.	%
Zinc Sulfate Monohydrate	No Data	No Data	7733-02-0	30 - 40
Phosphoric Acid	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>	7664-38-2	60 - 70

This product contains a toxic chemical or chemicals (as listed above) subject to the reporting requirements of Section 313 - Title III of the Superfund Amendments and Reauthorization Act 1 1986 and 40 CFR Part 372.

Carcinogenicity   Not Listed by NTP, IARC or OSHA

**IV. FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY:                   Non-flammable Liquid  
 NORMAL EXTINGUISHING AGENT:   Non Applicable  
 UNUSUAL FIRE & EXPLOSION HAZARDS:   None

**V. REACTIVITY DATA**

STABILITY:                        Stable  
 CONDITIONS TO AVOID:         Treat as acid - avoid strong bases  
 INCOMPATIBILITY:               Aluminum, zinc, mild steel, strong caustic materials  
 HAZARDOUS COMBUSTION OR HAZARDOUS DECOMPOSTION PRODUCTS:   None

To the best of our knowledge, the information contained herein is accurate. However, CorrTrac Systems Corporation assumes no liability whatsoever for the accuracy or completeness of the information. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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#### **IV. HEALTH HAZARD DATA**

ACUTE EFFECTS OF EXPOSURE: TLV: No Specific Data PEL: No Specific Data  
SWALLOWING: Slightly Toxic  
SKIN CONTACT: Slightly Toxic. May cause skin irritation.  
INHALATION: No specific Information  
EYE CONTACT: May cause eye injury  
CHRONIC EFFECTS OF EXPOSURE: No Specific Information  
OTHER HEALTH DATA: No Specific Information

#### **EMERGENCY AND FIRST AID PROCEDURES**

SWALLOWING: No Specific Information. Consult a physician  
SKIN: Flush area with copious amounts of water for 15 minutes. Consult a physician.  
INHALATION: Remove to fresh air. Consult a physician.  
EYES: Flush area with copious amounts of water for 15 minutes. Consult a physician.

#### **VII. SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Flush areas with large quantities of water. Spills should be contained to prevent contamination of surface and groundwater supplies.

WASTE DISPOSAL METHOD:

Disposal should be in accordance with Federal, State and Local regulations regarding Zinc and Phosphate.

#### **VIII. SPECIAL PROTECTION INFORMATION**

RESPIRATOR PROTECTION None  
PROTECTIVE GLOVES Rubber Gloves  
VENTILATION None  
EYE PROTECTION Chemical workers Goggles  
SPECIAL EQUIPMENT Eyewash fountain, safety shower.

#### **IX. SPECIAL PRECAUTIONS**

HANDLING AND STORING Store in polyethylene, FRP, epoxy, rubber-lined mild steel, or stainless steel containers.  
OTHER None