

MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: Co-Dry Water Fountain Stimulator 307.

Chemical names, common names: Complex water based solution

Manufacturer's Name: HURST CHEMICAL COMPANY

Address: 2500 San Fernando Road, Los Angeles, CA. 90065 DOT CLASSIFICATION: Water Fountain Drier, (not regulated)

For Product Information, call: (323) 223-4121

FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

II. HAZARDOUS INGREDIENTS

Exposure Limits in Air ACGIH (TWA) OSHA (PEL) Chemical Names CAS Number Phosphoric Acid 1mg/m3 7664-38-2 1mg/m3 400 ppm Isopropanol 67-63-0 400 ppm Water 7732-18-5 None None 0.1* mg/m3 (as Cobalt dust) Cobalt acetate 71-48-7

*OSHA regulates "Cobalt metal fume and dust"

Section IIA - This product contains the following chemicals subject to reporting requirements of SARA 313 and

40 CFR 372.

<u>Listed Ingredients</u> <u>CAS Number</u> <u>Weight % Range</u>

Phosphoric Acid 7664-38-2 2.00% Cobalt acetate 71-48-7 1.5

III. PHYSICAL PROPERTIES

Vapor density (air = 1):Specific Gravity:1.02Density lb/gal:8.36Solubility in water:CompleteVOC Composite Partial Pressure, mm Hg at 20°C:1.1

Evaporation rate (Bu Ac = 1): <1 Boiling Range °F: 212 PH= 2.6

Appearance and odor: Bluish pink liquid mixture.

Volatile Organic Content (VOC, EPA Method 24): 94 gm/l or 0.8 lb/gal

IV. FIRE AND EXPLOSION

HAZARD RANKING

HMIS Health Hazard=2 0=Least 4=Extreme

HAZARD Flammability=1 1=Slight B=Gloves and Goggles

CLASS Reactivity= 0 2=Moderate
Other = B 3 = High

Flash Point °F: > 200

Flammable limits in air, volume%: lower NE upper NE

Fire extinguishing materials: Yes water spray No carbon dioxide No foam

No dry chemical No other

<u>Special firefighting procedures:</u> The product is not flammable. However vapors exposed to heat or open flame may separate and become flammable.

<u>Unusual fire and explosion hazards:</u> The heat of reaction with reducing agents or combustibles may cause ignition, then use CO2, foam or dry chemical.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: May cause mild irritation to the mucous membranes. Prolonged inhalation of fumes containing cobalt may cause serious respiratory illness.

Contact with skin or eyes: Vapors, mists, and liquid are corrosive to the eyes and skin.

Absorbed through skin: May cause skin irritation, redness and pain. Skin allergic reaction.

Swallowed:Large doses of ingesting cobalt has been reported to have the potential for causing blood, heart, thyroid and pancreas damage.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute:Irritation of eve and skin.

Chronic: Skin tissue destruction, respiratory illness.

FIRST AID: EMERGENCY PROCEDURES -

Eye Contact: Flush with water for 15 minutes, seek medical attention as a precautionary action

Skin Contact: Wash with soap and water, remove contaminated clothing

Inhaled: Remove victim to fresh air.

Swallowed: Contact local poison control center or physician immediately.

COMMENTS: This product is not considered to be a carcinogen by the NTP, IARC, and OSHA. However there are references in the literature associating cobalt with interstitial fibrosis, a disease which can be fatal. Inhalation may cause an irritation of respiratory organs of sensitive persons resulting in obstruction of airways with shortness of breath. An allergic or hypersensitive person may develop a skin reaction or obstructive lang disease.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders, eye problems or respiratory function may be more susceptible to the effects of this product.

VI. REACTIVITY DATA

Stability: Stable under ordinary use and storage.

Incompatibility (materials to avoid): alkalies, combustibles, Cyanides.

Hazardous Decomposition products (including combustion products):

Phosphorus oxides.

Hazardous polymerization: Will not occur.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Wear personal protective equipment. Keep spills out drains, sewers or waterways. Use sand or inert materials to dam and contain spill.

Preparing wastes for disposal: Dispose of in accordance with Local, State, and Federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls:If current ventilation practices are not adequate to maintain airborne concentration below established exposure limits, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations may be used.

Respiratory Protection: The use of respiratory protection is advised when concentrations exceed the established exposure limits. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and cannisters (NIOSH Approved).

Eye Protection: If splash potential exists wear chemical splash goggles or faceshield

Gloves: Wear protective gloves

Other clothing and equipment: Eye wash and quick drench shower facilities should be available in the work area.

Thoroughly clean shoes and wash contaminated clothing before reuse.

Work practices, hygienic practices:Practice personal cleanliness by prompt removal of solvent in contact with skin. Train all employees on special handling procedures prior to working with this product.

OTHER HANDLING AND STORAGE REQUIREMENTS:

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous.

HURST CHEMICAL COMPANY furnishes Material Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910.

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This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

Prepared By: A. O. KORKIN, Ph.D.