SAFETY DATA SHEET

This SDS complies with OSHA'S Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured by: Superior Printing Ink Co., Inc. **Address:** 1125 Republic Drive Addison, IL 60101	**Identity (Trade name as used on label)** **Product Class:** Press Aid **Trade Name: LIQUID COBALT FOUNTAIN ADDITIVE** **Item №s.: D-4** **Product Use:** Printing Ink Fountain Additive
Date Prepared: March 14, 2016	**Prepared by:** Charmain Page-Walthrus
Information Calls: (800)-327-4657	**DOT Emergency Response:** (201) 478-5600

SECTION 2 – HAZARDS IDENTIFICATION

Hazcom 2012/GHS Classification: Acute Toxicity (oral) Category 4, Acute Toxicity (inhalation) Category 4, Respiratory Sensitization Category 1B, Skin Sensitizer Category 1, Germ Cell Mutagenicity Category 2, Carcinogenicity (inhalation) Category 1B, Toxic to Reproduction (fertility) Category 1B, Aquatic Hazard (acute) Category 1, Aquatic Hazard (cronic) Category 1

Label Elements:

Danger

Harmful if swallowed. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause cancer if inhaled. May damage fertility. Suspected of causing genetic defects. Very toxic to aquatic life with long lasting effects.

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF exposed or concerned: Get medical attention/advice.

Storage/Disposal:

Store locked up. Dispose of contents and container in accordance with local, state and federal regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Wt. %
Water	7789-20-0	65-85
Acetic acid, cobalt(2+) salt, tetrahydrate	6147-53-1	20-30

The exact percentage is a trade secret.

SECTION 4 – FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.	**Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.	**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In the event of any complaints or symptoms, avoid further exposure.
Most Important symptoms and effects, both acute and delayed: **Eye Contact:** No specific data. **Inhalation:** Adverse symptoms may include the following: wheezing and breathing difficulties, asthma, reduced fetal weight increase in fetal deaths, skeletal malformations. **Skin Contact:** Adverse symptoms may include the following: Irritation, redness, reduced fetal weight, increase in fetal deaths, skeletal malformations **Ingestion:** Adverse symptoms may include the following: reduced fetal weight, increase in fetal deaths, skeletal malformations	**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Use an extinguishing agent suitable for surrounding the fire.

Special Hazards Arising from the Chemical: This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged into any waterway, sewer or drain.

Decomposition products may include; carbon dioxide, carbon monoxide, metal oxide/oxides.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: For small incidental spills and leaks, wear protective gloves and eye protection. Wash all contaminated clothing before reuse; discard contaminated leather shoes. For larger spill requiring emergency response, follow OSHA emergency response regulations and NIOSH recommendations.

Environmental Hazards: This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged into any waterway, sewer or drain.

Methods and Material for Containment and Cleaning Up: Stop source of leak or spill. Isolate area of spill by diking, and/or add dry absorbent to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal.

SECTION 7 – HANDLING/STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Wash hands thoroughly before eating, smoking or using toilet facilities. Do not eat, drink or smoke in work areas. Wash contaminated work clothing before reuse. Keep container closed when not in use. Use only with adequate ventilation.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area. Store away from oxidizers.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Component	Exposure Limit
Water	None Established
Acetic acid, cobalt(2+) salt, tetrahydrate	0.02 mg/m^3 (AS Co) ACGIH TLV TWA 8 hours

Appropriate Engineering Controls: Good, general ventilation should be sufficient for most operations.

Individual Protection Measures:

Eye Protection: Safety glasses recommended.

Skin Protection: Impervious gloves recommended. Wear protective clothing if needed to avoid skin contact and contamination of personal clothing.

Respiratory Protection: If used under normal operating conditions, and with adequate ventilation, respiratory equipment is not required. Avoid excessive inhalation of ink mist.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colored Liquid
TYPE OF ODOR: Mild
ODOR THRESHOLD: Not determined
RELATIVE DENSITY vs. water: Heavier
VAPOR DENSITY vs. air: Heavier
VAPOR PRESSURE vs. air: Heavier
FLASH POINT: > 200 SETA CC
FLAMMABLE LIMITS: Not determined
AUTO-IGNITION TEMPERATURE: Not determined

BOILING RANGE (°F): 520 - 578
pH: 6 - 8
MELTING/FREEZING POINT: Not determined
EVAPORATION RATE vs. Butyl Acetate: Slower
SOLUBILITY IN WATER: None
VISCOSITY: Not determined
PARTITION COEFFICIENT: Not determined
FLAMMABILITY (solid, gas): Not applicable
DECOMPOSITION TEMPERATURE: Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Avoid excessive heat and open flames.

Incompatible Materials: No data

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS:

Eye: May cause eye irritation with redness and tearing.

Skin: May cause an allergic skin reaction.

Inhalation: Mist or vapor can irritate the throat and lungs. High concentrations may cause nasal and respiratory irritation. Repeated inhalation of mists may cause allergic respiratory reaction with asthma symptoms.

Ingestion: If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Chronic Hazards: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. May cause cancer if inhaled. Risk of cancer depends on duration and level of exposure. Suspected of causing genetic defects.

Mutagenicity: Suspected of causing genetic effects.

Reproductive toxicity: May damage fertility.

Carcinogen Status: May cause cancer by inhalation.

Acute Toxicity Values: Acetic acid, cobalt (2+) salt, tetrahydrate; LD50 Oral, Rat, dose 708 mg/kg. Harmful by inhalation and if swallowed.

Numerical Toxicity Values: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Very toxic to aquatic life.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: None known.

SECTION 13 – DISPOSAL CONSIDERATIONS

Hazardous Waste Characterization: No data.

Recommendation: Dispose of materials associated with cleaning up spills and/or leaks according to federal, state and local regulations for ignitable waste. Consult appropriate federal, state and local regulations to determine proper characterization of used product contaminated with other printing process products.

SECTION 14 – TRANSPORT INFORMATION

Ground Shipping (US DOT 49 CFR): Not Regulated**.**

Air (ICAO/IATA) Shipping: Not Regulated.

International Maritime Organization (IMDG) Shipping: UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MARINE POLLUTANT

SECTION 15 – REGULATORY INFORMATION

SARA Title III, Sections 311 and 312 Hazard Classifications: Acute Health, Chronic Health

SARA Title III, Sections 313: This product contains the following chemicals is subject to reporting requirements of Section 313 (Toxic Release Inventory) of the Emergency Planning and Community Right-to-Know Act of 1996: Cobalt Compound

SARA Title III, Sections 302 and 304 (Extremely Hazardous Substances) – This product is not subject to reporting requirements of Sections 302 and 304 of the Emergency Planning and Community Right-to-Know Act of 1996.

Clean Air Act (CAA) Hazardous Air Contaminants Rule (Hazardous Air Pollutant - HAP) – Cobalt Compound

California Proposition 65: – This product contains substances known to the state of California to cause cancer and/or reproductive toxicity.

TSCA Inventory: All of this product's components are listed.

SECTION 16 – OTHER INFORMATION

Date Prepared: March 14, 2016

FOR INDUSTRIAL USE ONLY USE ONLY AS DIRECTED DO NOT TAKE INTERNALLY