

# CUPRONIL

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** CUPRONIL  
**Product Use:** ANTI FIRE SCALE FLUX USED IN SOLDERING  
PRECIOUS METALS  
**Manufacturer's Name:** FOUR S LABORATORIES INC  
**Street Address:** 13239 N 3<sup>rd</sup> WAY  
PHOENIX, ARIZONA 85022  
**Emergency Telephone:** 1-602-993-4766  
**MSDS Prepared By:** LEE EPPERSON  
**Telephone Number:** 1-602-993-4766  
**Revision Date:** JUNE 25, 2015

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

CUPRONIL CONTAINS THE FOLOWIING CHEMICALS IN WATER AND IS PACKAGED IN 4 OZ, 16 OZ AND GALLON PLASTIC CONTAINERS.

Hazardous ingredients	%	CSA Number
BORIC ACID	15	10043-35-3
BORAX	10	12179-04-3
DISODIUM PHOSPHATE	10	7558-79-4

Cupronil  
709042  
709043  
709044

## SECTION 3 HAZARDS IDENTIFICATION"

BIOLOGICAL TESTING SHOW CUPRONIL IS MOT AN EYE IRRITANT, IS NOT A PRIMARY SKIN IRRITANT (P11=0.21) AND HAS AN ORAL TOXCITICY LD-50=GREATER THAN 25 ML/Kg.

## SECTION 4 FIRST AID MEASURES

### Skin Contact

WASH AREA WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING, AND SEEK MEDICAL ATTENTION IMMEDIATELY. PRODUCT IS NOT ABSORBED BY SKIN.

### Eye Contact

FLUSH EYES FOR 15 MINUTES WITH LARGE QUANTITIES OF WATER, SEEK MEDICAL ATTENTION IMMEDIATELY

### Inhalation

USE OF PRODUCT DURING SOLDERING MAY BE INHALED. IF USER SHOWS SIGNS THEY ARE AFEDTED BY FUMES REMOVE VICTIM TO FRESH AIR, RESTORE BREATHING, IF NECESSARY, SEEK MEDICAL ATTENTION IMMEDIATELY

### Ingestion

SEEK MEDICAL ATTENTION IMMEDIATELY, GIVE SEVERAL GLASSES OF WATER TO DRINK.

## SECTION 5 FIRE FIGHTING MEASURES

**Flammable:** NO  
**Flash Point** DOES NOT BURN  
**Auto ignition Temperature** DOES NOT BURN  
**Explosion Data Sensitivity to impact** NONE EXPLOSIVE  
**Hazardous Combustion Products** TOXIC FUMES OF Na<sub>2</sub>O, BORON AND NO<sub>2</sub> MAY BE ""  
PRESENT IF PRODUCT IS IN A MAJOR FIRE  
FIREFIGHTERS SHOULD WEAR FULL TURNOUT AND SCBA

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**WEAR RUBBER GLOVES AND EYE PROTECTION. SWAB THE PRODUCT UP WITH PAPER TOWELS AND DISPOSE OF THE TOWELS.**

**SECTION 7 HANDLING AND STORAGE**

**Handling Procedure and Equipment      PRODUCT IS SUPPLIED IN PLASTIC CONTAINERS**  
**Storage Requirements                      STORE CONTAINERS VERTICAL IN COOL DRY PLACE.**

**SECTION 8 PERSONAL PROTECTION/ EXPOSURE CONTROL**

**Exposure Limit                                      DO NOT INGEST.**  
**Specific Engineering Controls                PROVIDE ADEQUATE VENTILATION.**  
**Personal Protective Equipment              WEAR EYE PROTECTION**

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State                                      LIQUID SUPPLIED IN 4, 16 OUNCE AND GALLON  
CONTAINERS**  
**Odor and Appearance                        LIGHT BLUE LIQUID WITH NO ODOR**  
**Specific Gravity                                    1.12**  
**Vapor Density                                     N/A**  
**Vapor Pressure                                    N/A**  
**Evaporation Rate                                N/A**  
**Boiling Point                                     100 degree C**  
**Freezing Point                                    -10 degree C**  
**pH    7.1**  
**Solubility in Water                              TOTAL**

**SECTION 10 STABILITY AND REACTIVITY**

**Chemical Stable                                    YES**  
**Incompatibility with Other Substances    STRONG ACIDS, OXIDIZERS, REDUCING AGENTS**  
**Hazardous Decomposition Products       TOXIC FUMES OF Na<sub>2</sub>O, BORON, NO**

**SECTION 11 TOXICOLOGICAL INFORMATION**

**Effects of Acute Exposure                      NO LASTING AFFECTS**  
**Effects of Chronic Exposure                  NO LASTING AFFECTS**  
**Skin Sensitization                                POSSIBLE IRRITATION OF SKIN WITH  
PROLONGED EXPOSURE**  
**Respiratory Sensitization                      NONE**  
**Carcinogenicity                                    NONE**  
**Reproductive Toxicity                           NONE**  
**Teratogenicity                                     NONE**  
**Embrototoxicity                                   NONE**  
**Mutagenicity                                        NONE**  
**Name of Synergistic Products/Effects      NONE**

**SECTION 12 ECOLOGICAL INFORMATION**

**(Aquatic Toxicity)                                NOT A MARINE POLLUTANT**

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Waste Disposal**  
**MAY BE DISPOSED OF IN LANDFILLS SITES IN THE QUANTITIES PROVIDED**

SECTION 14 TRANSPORT INFORMATION

Special Shipping Instructions

PRODUCT IS SHIPPED IN CARDBOARD BOXES.  
56-4 OZ BOTTLES ONE BOX, 30-16 OZ BOTTLES IN  
ONE BOX, 4-1 GALLONS IN ONE BOX, 55 GALLON  
DRUM.  
NOT A JHAZARDOUS PRODUCT

SPECIAL 15 REGULATION INFORMATION

UNKNOWN

SECTION 16 OTHER INFORMATION

PREPARED JUNE 25, 2015 REV A

MSDS BXOPT VERSION NO. 005 06/08/12 UNIVAR BORIC ACID  
MSDS BXNE VERSION NO. 005 05/22/12 UNIVAR BORAX  
MSDS AS010007 VERSION NO. 014 06.30/11 UNIVAR DISODIUM PHOSPHATE