

# MATERIAL SAFETY DATA SHEET

**Manufacturer: Procam Controls, Inc.**  
2605 Technology Drive, Bldg. 300  
Plano, TX 75074  
Phone: 972-422-1212  
Emergency Phone: (800)424-9300  
EPA Dist.# 62593

MSDS #0004

Prepared: 09/28/00

Supersedes: 07/30/96

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## I. IDENTIFICATION

**PRODUCT NAME:** NS-5 Neutralizer for CTP Developer (CONC) **CHEMICAL NAME:** Mixture  
**FORMULA/CAS:** N / A (RO4-50-A)  
**MANUFACTURER'S NAME:** Procam Controls, Inc. **INFORMATION PHONE:** 214.422.1212  
**ADDRESS:** 2605 Technology Drive, Suite 300, Plano, TX 75074  
**EMERGENCY PHONE:** ChemTrec 1.800.424.9300

## II. INGREDIENT INFORMATION

	<u>CAS #</u>	<u>PEL-OSHA</u>	<u>TLV-ACGIH</u>
Citric Acid %	77-92-9	N / A	N / A

### \*\*\*\*\*INGREDIENT HAZARD STATEMENT\*\*\*\*\*

**WARNING:** This product is identified as a hazardous chemical under the OSHA Hazardous Communications Standard (29 CFR 1910.1200) due to the presence of ingredient(s) cited above.

This product is not reportable under the S.A.R.A. Act of 1986, Title III, Sec. 313 (40 CFR Part 372).

This product does not contain any known chemical(s) reportable under the California Safe Drinking & Toxic Water Act of 1986. (CA PROP 65).

## III. CHEMICAL AND PHYSICAL PROPERTIES

<b>BOILING POINT:</b> 212° F	<b>VAPOR PRESSURE (mm Hg):</b> Approx. 18
<b>MELTING POINT:</b> N / A pH = 0.35	<b>VAPOR DENSITY (Air = 1):</b> Approx. 1
<b>SOLUBILITY IN WATER:</b> Complete	<b>SPECIFIC GRAVITY (H2O = 1):</b> 1.245
<b>PERCENT VOLATILE BY VOLUME:</b> >80% H2O	<b>EVAPORATION RATE (Butyl Acetate = 1):</b> Approx. 1
<b>APPEARANCE/ODOR:</b> Clear, colorless to pale yellow solution, slight odor.	

## IV. HEALTH HAZARD DATA & FIRST AID PROCEDURES

**SIGNS AND SYMPTOMS OF EXPOSURE:** Eye or skin irritation or burns.

**CARCINOGENICITY:** NTP? No IARC? No OSHA? No

**ACUTE AND CHRONIC HEALTH HAZARDS:** Warning – Corrosive. May cause skin or eye irritation. May burn skin or eyes.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known.

**EYE CONTACT:** If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then seek medical

attention as needed.

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**SKIN CONTACT:** If contact with skin occurs: Wash with soap and water. Seek medical attention as needed.

**INHALATION:** If inhaled: Remove to fresh air. Seek medical attention as needed.

**INGESTION:** Do not induce vomiting. Call a physician and seek medical attention promptly. Treat for the presence of ingredient(s) cited in section II.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

## V. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT (METHOD USED):** None

**AUTO-IGNITION:** N / A

**LEL:** N / A

**UEL:** N / A

**NFPA HAZARD**

**EXTINGUISHING MEDIA:** Water, dry chemical, alcohol foam, CO2

Non-flammable

Fight fire with media appropriate for surrounding materials

**SPECIAL FIRE FIGHTING PROCEDURES:** None known.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

\*\*\*\*\*NFPA HAZARD CLASSIFICATION\*\*\*\*\*

Flammable

0

Health

2

Reactivity

1

Special

0

## VI. ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wipe up small spills, absorb liquid with inert material, such as sand or dry clay absorbent. Prevent run-off from entering drains or sewers.

**WASTE DISPOSAL METHOD:** Disposal should be in accordance with existing federal, state, and local environmental regulations.

## VII. HANDLING AND STORAGE

**HANDLING AND STORAGE:** Store in cool, dry area. Avoid freezing. Keep container closed when not in use.

## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** None

**VENTILATION:** Local Exhaust: As Needed Special Exhaust: As needed Mechanical Exhaust: As needed

**CLOTHING:** Protective sleeves and impermeable apron.

**WORK/HYGIENE PRACTICES:** Avoid contact with skin or eyes. Always wash up before handling product and before eating, drinking, or smoking.

**OTHER PROTECTION:** Gloves: Chemical resistant recommended Eye Protection: Chemical safety goggles recommended

## IX. STABILITY AND REACTIVITY

**STABILITY:** Stable

**AVOID:** None

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong bases, Amines, Strong Alkalines

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxides of Sulfur, Hydrogen Sulfide

**POLYMERIZATION?:** Polymerization will not occur.

**AVOID:** None known.

## X. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point: 212°F  
Vapor Pressure (mm Hg.): Approx. 18  
Solubility in Water: Complete  
Appearance and Odor: Clear colorless to slight yellow liquid. Low odor.  
Other Information: WARNING: pH < 1.00

Melting Point: NA  
Vapor Density (Air = 1): 1

Evaporation Rate: NE  
Specific Gravity: 1.16700

#### **XI. TOXICOLOGICAL INFORMATION:**

Toxicological properties for this product have been evaluated.  
Low hazard level for usual industrial or commercial handling.

#### **XII. ECOLOGICAL INFORMATION:**

NE

#### **XIII. DISPOSAL CONSIDERATIONS:**

Discharge, treatment, or disposal may be subject to local, state or federal laws.

#### **XIV. TRANSPORT INFORMATION:**

DOT Classification: CORROSIVE LIQUID, ACIDIC, ORGANIC, n.o.s. (citric acid) 8, UN3265, III  
IATA/ICAO Classification: Hazardous  
IMDG Classification: Hazardous

#### **XV. REGULATORY INFORMATION:**

- Material(s) known to the State of California to cause cancer: NONE
- Material(s) known to the State of California to cause adverse reproductive effects: NONE

Carcinogenicity Classification (components present at 0.1% or more)

- (IARC) International Agency for Research on Cancer: None
- (ACGIH) American Conference of Industrial Hygienists: None
- (NTP) National Toxicology Program: None
- (OSHA) Occupational Safety & Health Admin: None

#### **XVI. OTHER INFORMATION:**