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Creation Date: 02/25/02 (2821-3)
Revision Date: 07/24/03

MATERIAL SAFETY DATA SHEET

I. CHEMICAL IDENTIFICATION

TRADE NAME: AMMONIA Activator Solution

CATALOG NO.: A-1400

DESCRIPTION: Activator solution for the determination of monochloramine and free ammonia in water. Each bottle contains approximately 20 mL of accessory solution.

NFPA RATINGS: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: Sodium Hypochlorite
CAS NO.: 7681-52-9 PERCENT: 3.0

COMPONENT: Deionized Water
CAS NO.: 7732-18-5 PERCENT: 97.0

III. HAZARDS IDENTIFICATION

May cause burns. Causes irritation.
ACUTE TOXICITY: Irritation, breathing difficulty, abdominal pain, vomiting, methemoglobinemia, cyanosis
CHRONIC TOXICITY: Irritation
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory or heart disorders.

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15 minutes.
INGESTION: Seek medical attention. Do not induce vomiting. Give large quantities of milk or water. Never give anything by mouth to an unconscious person.
INHALATION: Remove individual to fresh air. Seek medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT: N/A
AUTOIGNITION POINT: N/A
FLAMMABILITY LIMITS: UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA: Dry Chemical, carbon dioxide, water spray or foam

VI. ACCIDENTAL RELEASE MEASURES

Take up with absorbent material. Place in small containers for disposal.

VII. HANDLING AND STORAGE

If this product is used as directed, the user will not come in contact with or be exposed to any of its chemical components. Wash thoroughly after handling. Avoid contact with eyes.
Product should be stored in the dark and at room temperature.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGHIH THRESHOLD LIMIT VALUE: 1 ppm sodium hypochlorite
PROTECTIVE EQUIPMENT: Safety glasses.

IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Liquid APPEARANCE: Colorless to yellow ODOR: Chlorine-like
SOLUBILITY IN WATER: Miscible PH: 11
BOILING POINT: 104°C decomposes slightly MELTING POINT: -6°C
VAPOR PRESSURE: 17.5 @ 20C SPECIFIC GRAVITY: 1.0
VAPOR DENSITY: Not Determined

X. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, toxic chlorine fumes may be emitted.
Stable under normal conditions.

XI. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: None.
No other data available at this time.

XII. ECOLOGICAL INFORMATION

No data available.

XIII. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State, and Local Regulations

XIV. TRANSPORT INFORMATION

Not regulated.

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:
Risk Phrases: Contact with acids liberates toxic gas.
Safety Phrases: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). After contact with skin, wash immediately with plenty of water. Do not mix with acid.
CANADA INFORMATION:
WHMIS Classification: D2B
All chemical components of this product are listed on Canada's DSL list.
U.S. INFORMATION:
All chemical components of this product are listed on the TSCA Inventory.

XVI. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.