



Acu-Trol
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MSDS -- MATERIAL SAFETY DATA SHEET

AKColor Buffer Solution B

Buffer Solution B (AKColor)

1. PRODUCT IDENTIFICATION

ACU-TROL PART NUMBER: 744-000-210
PRODUCT NAME: AKColor Buffer Solution B
CHEMICAL FAMILY: Inorganic salt solution

2. INGREDIENTS

INGREDIENT	CAS#	%	NATURE OF HAZARD
Maleic Acid	110-16-7	<10	Irritant acid
Lithium Hydroxide	1310-66-3	<10	Irritant alkali
Sulfuric Acid	7664-93-9	<1	Irritant acid
Sodium hydroxide	1310-73-2	<1	Irritant alkali
Deionized water	7732-18-2	<94	None

3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Liquid APPEARANCE: Clear, colorless ODOR: None
BOILING PT (F): 212 pH: 10 SPECIFIC GRAVITY: 1.24
VAPOR PRESSURE (mm Hg): 17 VAPOR DENSITY (AIR=1): .64
PERCENT VOLATILE BY VOLUME: 94 SOLUBILITY IN WATER: Soluble

4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT: NA METHOD: NA
FLAMMABLE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam
SPECIAL PROCEDURES: Wear self-contained (positive pressure if available)
breathing apparatus and full-protective clothing
FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS:
NFPA CODE: Health: 1 Flammability: 0 Reactivity: 0 Specific: NA
CONDITIONS TO AVOID: Extreme heat, temperatures.

5. HEALTH HAZARD DATA

INGREDIENT: Sodium hydroxide
TOXICITY: LD50(orl-rat): 140-340 mg/kg
PEL: 2 mg/m³ TLV: 2 mg/m³
STEL: NE
ROUTE(S) OF ENTRY: Inhalation Ingestion X Skin X
TARGET ORGAN(S): Eyes, skin
CARCINOGENICITY: NTP No IARC No OSHA No

HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:

EYES: Irritant

SKIN: Irritant

INGESTION: Irritant. May cause gastrointestinal irritation, nausea, and diarrhea.

INHALATION: NA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions

6.PRECAUTIONARY MEASURES

PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat

HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

STORAGE: Cool, dry area. Avoid direct sunlight.

7.EMERGENCY AND FIRST AID PROCEDURES

EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes.

Call physician. Wash skin thoroughly with soap and water.

INGESTION: Induce vomiting if conscious (awake), then give large amounts of water. Call physician.

INHALATION: NA

8.SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Absorb with vermiculite or other inert material.

Containerize for later disposal.

DISPOSAL: Incineration or other method to comply with all local, state, and Federal regulations.

NA = Not applicable

ND = Not determined

NE = Not established

This Material Safety Data Sheet has been prepared in accordance with 29 CFR Part 1910.1200 and contains information believed to be accurate and complete at the date of preparation. However, no warranty is expressed or implied. Advice given under "Spill and Disposal Procedures" assumes compliance with federal, state, and local regulations regarding the disposal of hazardous waste.

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