See also: MSDS 00161 – Cat # 353-A AFB Stain/Kinyoun Stain
MSDS 00163 – Cat #353-C AFB Stain/Kinyoun Counterstain

Reviewed October 2011

Section 1. Identity

Product Name: **AFB Stain/Kinyoun Decolorizer**

Cat #	Description	SDL Prod ID
353-B	AFB Stain/Kinyoun Stain Decolorizer - 3 bottles/pkg	00162
353	AFB Stain/Kinyoun Stain Set - 250ml bottle each/pkg	00160

Manufacturer/Supplier: Scientific Device Laboratory, 411 Jarvis Avenue, Des Plaines, IL 60018
Phone 847-803-9495

Emergency Information: In case of a chemical emergency, spill, fire, exposure or accident contact Scientific Device Laboratory (847) 803-9495 or CHEMTREC 1-800-424-9300 or 703-527-3887

Section 2. Hazardous Ingredients/Identity Information

Components: 95% Ethanol and Hydrochloric acid. (3% Hydrochloric acid/ethanol)

Ingredients	*CAS#*	*OSHA Pel*	*ACGIH*	*TLV*	*Other Limits %*
Ethanol	64-17-5	1000 ppm	1000 ppm	87% v/v	
Hydrochloric acid	7647-01-0	5 ppm (Ceiling)	2 ppm (Ceiling)	1.4% w/v	

Section 3. Physical/Chemical Characteristics

Boiling Point: 103ºC
Specific Gravity: N/A
Vapor Pressure (mmHg): N/A
Vapor Density (AIR=1): N/A
Melting Point: N/A
Evaporation Rate: slow
Solubility in H_2O: souble
Appearance: clear
Odor: none

Section 4. Fire and Explosion Hazard Data

Flash point: 15°C (59°F), TCC
Flammable Limits (for ethanol): LEL 3% UEL 19%
Fire: Water is ineffective against alcohol fires but may be used to cool adjacent containers.
Fire Extinguishing Media: Alcohol foam, carbon dioxide or dry chemical.
Special information: Pyrolysis will release toxic carbon monoxide and corrosive hydrogen chloride.
Extinguishing medium: water
Special Fire Fighting Procedures: standard procedure for water based chemicals

Section 5. Reactivity Data

Stability: Stable
Condition to avoid: swallowing
Reagent incompatibility: not known
Hazardous decomposition or By-products: none known
Hazardous polymerization: does not occur
Conditions to avoid: freezing or mixing with organic solvents

Section 6. Health Hazard Data

Routes of entry: Ingestion: yes do not induce vomiting get medical attention immediately

Inhalation: yes: burning of mucus membrane remove to fresh air give artificial respiration if breathing has stopped. Inhalation will produce CNS disturbance, dizziness, photophobia, headache, stupor, coma and death.

Skin: irritation on repeated use. Immediately flush area with large amounts of water

Carcinogenicity: none known

Signs and symptoms of exposure: can cause burns with skin contact, and irritating to eyes and respiratory passages

Medical conditions aggravated by exposure: respiratory conditions

Emergency First Aid Procedures: get medical assistant as soon as possible for over exposure. Flush area thoroughly with water for 15 minutes.

Health = 2 Flammability = 3 Reactivity = 0

Section 7. Precautions for Safe Handling Use and Disposal

Steps to be taken if material is spilled: wash with soap and water

Waste Disposal Method: no special treatment - dilute with water

Environmental Fate*:* Biodegradable
Environmental Toxicity*:* None expected

Precautions to be taken in Handling and Storage: store at room temperature

Other Precautions: none

Disposal: Local governments often restrict the amounts of alcohol that may be flushed down drain. Insure compliance with all government regulation

Section 8. Control Measures

Respiratory Protection: none

Ventilation: yes

Protective gloves: wear chemical resistant gloves

Protective Clothing: lab coat

Work/Hygiene Practices: good general microbiology techniques

Eye Protection: chemical safety goggles or full face shield

Section 9. Transportation

UN 1987 Alcohol N.O.S. (Aqueous Ethanol Solutions), 3, PG II

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Revision History

CR NUMBER	REVISION
0908-001	00
0910-001 0511-001 0711-003 0811-002 0911-007	01 02 03 04 05