

M S D S***Material Safety Data Sheet***

24 HOUR EMERGENCY TELEPHONE NUMBER CALL CHEMTREC 1-800-424-9300
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189 Twin County Road • Morgantown, PA 19543 • (610) 524-5810

Saccomanno's Fixative

SECTION 1 PRODUCT IDENTIFICATION

NAME: Saccomanno's Fixative
AZER SCIENTIFIC ORDER NUMBER: ES727, PFS-120
SYNONYMS: N/I
CAS NO: Does not apply
FORMULA: Does not apply
DOT INFORMATION: Proper Shipping Name - "Ethanol solutions" 3/UN1170/PGII

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. Keep away from heat, sparks, and flame. Keep container tightly closed. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
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Ethyl Alcohol/64-17-5	1000 ppm TWA	1000 ppm TWA
Isopropyl Alcohol 67-63-0	400 ppm TWA	200 ppm TWA 400 ppm STEL
Methyl Alcohol/67-56-1	200 ppm TWA	200 ppm TWA Skin 250 ppm STEL Skin

Methyl Alcohol, ~2.5%, is subject to the reporting requirements of SARA 313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible	BOILING POINT (C): N/E
VAPOR PRESSURE (mm Hg): N/E	VAPOR DENSITY: N/E
SPECIFIC GRAVITY: N/E	MELTING POINT (C): N/E
EVAPORATION RATE: N/E	

APPEARANCE AND ODOR: Clear, light blue liquid. Odor of ethyl alcohol.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

NFPA RATINGS: (Estimated) HEALTH:1 FIRE:3 REACTIVITY:0
FLASH POINT (C): N/E
AUTOIGNITION TEMPERATURE (C): N/E
FLAMMABLE LIMITS (%): UEL: N/E LEL: N/E

EXTINGUISHING MEDIA: Water spray, dry chemical, "alcohol" foam, CO₂. Water may be ineffective.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full face-piece operated in pressure-demand or other positive-pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor can flow to distant ignition sources and flash back.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat, flames, sources of ignition.

MATERIALS TO AVOID: Strong oxidizers, silver salts, acid chlorides, alkali metals, metal hydrides, hydrazine.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Causes respiratory tract irritation. May cause drowsiness, loss of appetite, inability to concentrate.

SKIN CONTACT: May cause irritation and dehydration.

EYE CONTACT: May cause irritation.

SKIN ABSORPTION: N/I

INGESTION: May cause intoxication, headache, blindness.

CHRONIC: Causes drying of skin. May affect nervous system, liver.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or eye disorders, impaired liver or kidney function.

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: If conscious, induce vomiting immediately as directed by medical personnel.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area and remove sources of ignition. Absorb spill with inert material and containerize for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

STORAGE: Store tightly closed in an approved flammable liquid storage area.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Full face piece respirator.

EYE PROTECTION: Chemical splash goggles and/or full face shield.

SKIN PROTECTION: Gloves, lab coat and impervious apron.

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