



SILVER FERN CHEMICAL

Material Safety Data Sheet

Methyl Acetate / Methanol Blend

SECTION 1: IDENTIFICATION

Product Name: AM/M (Methyl Acetate / Methanol Blend)

CAS Number: RN 79-20-9 (Methyl Acetate) RN 67-56-1 (Methanol)

Chemical Name:

Company

Silver Fern Chemical, Inc.
2226 Queen Anne Avenue North
Suite #C
Seattle WA 98109, USA

Business Contact

Customer Service: 206-282-3376
info@silverfernchemical.com

24 Hour Emergency Contact

Infotrac 800-535-5053
Outside USA & Canada 352-323-3500

SECTION 2: HAZARD IDENTIFICATION

NFPA: health: 1 flammability: 3 reactivity: 0
HMIS: health: 3 flammability: 3 reactivity: 0

EXPOSURE LIMITS

IDLH: 1000 ppm
ACGIH TLV/TWA: 200 ppm = 610 mg/m³
 TLV/STEL: 250 ppm = 760 mg/m³
OSHA PEL/TWA: 200 ppm = 610 mg/m³
IDLH: 25,000 ppm
ACGIH TLV/TWA: 200 ppm
 TLV/STEL: 250 ppm
OSHA PEL/TWA: 200 ppm
 PEL/STEL: 250 ppm

WARNING STATEMENTS: Poisonous or fatal if swallowed. Toxic amounts can be absorbed through the skin. Repeated or prolonged contact causes dryness, brittleness, cracking and irritation. Nausea, dizziness, unconsciousness and adverse effects on vision.



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

45-55% methyl acetate

45-55% methanol

<2% water

FORM:liquid

COLOR: clear

ODOR: fragrant

SECTION 4: FIRST AID MEASURES

INGESTION: Call Poison Control Center.

INHALATION: Remove victim to fresh air; restore and support breathing as necessary. Contact a physician immediately.

SKIN CONTACT: Remove contaminated clothing and wash with soap and water. Contact a physician if irritation persists.

EYE CONTACT: Immediately flush eyes gently but thoroughly with plenty of running water for at least 15 minutes. Hold eyes open to wash under eyelids.

Seek prompt medical attention for further treatment, observation and support after first aid.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: LEL: UEL:

EXTINGUISHING MEDIA: CO2 (small) Dry chemical

alcohol-resistant foam

water spray

Use water spray to cool containers exposed to fire or to disperse vapors that have not ignited. Vapor is heavier than air and can collect in low-lying areas or travel to a considerable distance from the source and flash back.



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Wear a self-contained breathing apparatus (SCBA) with a full faceplate operated in the pressure-demand or positive-pressure mode.

Material may burn with little or no visible flame.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Notify safety personnel, provide ventilation and eliminate all ignition sources immediately. Cleanup personnel need protection against contact and vapor inhalation. Contain large spills and collect waste or absorb it in an inert material, such as sand, earth or vermiculite. Use non-sparking tools to place waste liquid or absorbent into closable containers for disposal. Keep waste out of sewers, watersheds and waterways.

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well-ventilated area away from oxidizing agents and any possible ignition sources. Protect containers from physical damage. All handling and bulk storage facilities must be suitable for OSHA Class IB flammable liquids. All containers used in shipping/transferring operations must be electrically grounded to prevent static.

All engineering systems must be of maximum explosion-proof design. All operations must be done with due caution to prevent accidental ignition.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

GOGGLES: Wear splash goggles and face shield. Safety glasses do not prevent splashes to the eye. Face shield alone may not protect the eyes.

RESPIRATOR: Use a NIOSH-approved organic vapor respirator. Use or air-purifying respirators is limited to specified maximum levels. IDLH or unknown concentrations require SCBA with a full facepiece operated in the pressure-demand or positive-pressure mode.

OTHER: Wear impervious (butyl rubber) gloves, boots, aprons, etc. as required by the specific work environment.

WORKPLACE CONSIDERATIONS: Install and operate general and local maximum explosion-proof ventilation systems of sufficient power to maintain airborne levels of vapor below the OSHA PEL standard cited.

SAFETY STATIONS: Eyewash stations and washing facilities should be available within 25 feet.

CONTAMINATED EQUIPMENT: Soft contact lenses may absorb irritants and concentrate them. DO NOT wear contact lenses when working with this material. Remove and launder contaminated clothing before reuse. Clean material from shoes and equipment.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

MELTING POINT: BOILING POINT:

DENSITY: 7.08 lbs/gal BULK DENSITY, (g/ml)

pH (10% in water):

SOLUBILITY IN WATER:

VAPOR PRESSURE (mm Hg at 20 deg. C):

VISCOSITY (cp at 20 deg. C):

FLASH POINT: 5 degrees Celsius

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

HAZARDOUS POLYMERIZATION: will will not occur

CONDITIONS TO AVOID: Ignition sources, sparks, flame and heat.

INCOMPATIBILITY: water combustibles

strong acids strong bases

oxidizers reducing agents

other: sulfuric acid

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide

SECTION 11: TOXICOLOGICAL INFORMATION

19,000 ppm may be Immediately Dangerous to Life and Health.

TARGET ORGANS: Eyes, skin, respiratory system, CNS



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INGESTION: Poisonous if swallowed. Can affect the optic nerve resulting in blindness. Can cause mental sluggishness, nausea, and vomiting leading to severe illness, possibly death.

INHALATION: Extremely high levels cause stupor, headache, nausea, dizziness and unconsciousness.

SKIN CONTACT: Repeated or prolonged contact causes dryness, brittleness, cracking and irritation.

EYE CONTACT: May cause eye injury which may persist for several days. Liquid and vapor in high concentrations cause irritation, tearing and burning sensation.

Material is not a carcinogen. Methanol component is reported to cause birth defects in rats at very high levels of vapor.

SECTION 12: ECOLOGICAL INFORMATION

Keep out of sewers, watersheds and waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

Material is regulated for transport by highway, rail, air and water.

UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. CLASS 3 (6.1), PG II

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

All components are TSCA listed. Material is a RCRA hazardous waste and a CERCLA hazardous substance. RQ=5000 lbs.

SECTION 16: OTHER INFORMATION

DISCLAIMER OF RESPONSIBILITY



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