

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME

MetaAid

PRODUCT USE Photographic processing

HMIS SCALE HEALTH **1** FLAMMABILITY **0** REACTIVITY **0** PPE **C**

SUPPLIER Metafix Inc.

CATALOG #

ADDRESS 1925 - 46th Avenue Lachine QC H8T 2P1 Canada

PHONE NO. **514-633-8663**

EMERGENCY TEL #

CHEMTREC 800-424-9300

SECTION 2 - Product and Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	LD50 OF INGREDIENT	LC50 OF INGREDIENT
Water	7732-18-5	80	42.6 gm/kg (human)	not available
Citric acid	77-92-9	20	8730 (mg/kg oral rat)	not available

SECTION 3 - Hazards Identification

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Mild irritant if swallowed. Low hazard for normal use. May cause irritation to the eyes, nose, throat and lungs

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None expected

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and water.

EYE CONTACT

Flush eyes with water for 15 minutes. Seek medical advice if irritation persists.

INGESTION

DO NOT induce vomiting. Drink 1 - 2 glasses of water to dilute. Seek medical advice if irritation persists

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

FLAMMABILITY YES NO IF YES, UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHMENT

Water mist, alcohol foam, CO2 dry chemical. Avoid breathing combustion fumes. Take suitable precautions (mask, air pack) if involved with product fire.

FLASHPOINT (°C) AND METHOD

Not appropriate

UPPER FLAMMABLE LIMIT (% BY VOLUME)

Not appropriate

LOWER FLAMMABLE LIMIT (% BY VOLUME)

Not appropriate

AUTOIGNITION TEMPERATURE (°C)

Not appropriate

HAZARDOUS COMBUSTION PRODUCTS

See "Hazardous Decomposition Products".

EXPLOSION DATA SENSITIVITY TO IMPACT

Not susceptible

SENSITIVITY TO STATIC DISCHARGE

Not susceptible

SECTION 6 - Accidental Release

Flush to sewer with plenty of water, if permitted. If not, soak up with dry absorbent material. Consult with governmental regulatory agencies for appropriate disposal of this material. Wear splash goggles, impervious gloves and apron when handling spills.

SECTION 7 - Handling and Storage

Wear PPE when handling this material. Wash hands after handling. Store in a cool, well ventilated place. Above 30°C condensates may collect on the surface of the liquid and lead to biological growth. Corrosive effects on metals. copper, aluminum and zinc alloys.

SECTION 8 - Exposure Controls

VENTILATION None necessary under conditions of normal use.

SKIN Latex or nitrile

EYE Splash goggles

RESPIRATORY Not normally required

OTHER Eye wash station

SECTION 9 - Physical and Chemical Properties

PHYSICAL STATE Liquid	ODOR AND APPEARANCE Colorless, odorless			ODOR THRESHOLD Not available
VAPOUR PRESSURE (mmHg) As water	VAPOUR DENSITY (Air = 1) not applicable	EVAPORATION RATE (Water = 1) 1	BOILING POINT (°C) ≥ 100°C	FREEZING POINT(°C) ≤ 0°C
pH ≈3.0	SPECIFIC GRAVITY 1.243	SOLUBILITY IN WATER (20°C) Soluble	COEFF WATER OIL Not available	PERCENT VOLATILE (BY VOLUME) Not available

SECTION 10 - Stability and Reactivity DataCHEMICAL STABILITY YES NO IF NO, UNDER WHAT CONDITIONS

INCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES?

YES NO Oxidizing agents, bases, reducing agents and metal nitrates.

REACTIVITY, AND UNDER WHAT CONDITIONS Stable under ambient pressure and temperature.

HAZARDOUS DECOMPOSITION PRODUCTS When heated to decomposition, may emit acrid smoke and fumes.

SECTION 11 - Toxicological Information

EXPOSURE LIMITS None known	IRRITANCY OF PRODUCT None known	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY Not listed by IARC and ACGIH.
TERATOGENICITY Not known	REPRODUCTIVE TOXICITY Not known	MUTAGENICITY Not known	SYNERGISTIC PRODUCTS Not known

SECTION 12 - Ecological Information

No data

SECTION 13 - Disposal Considerations

This product must be disposed of as a special waste via a licensed contractor, where required by existing legislation. An eventual disposal with the waste water depends on the local regulations. Obtain advice from the local waste water authority.

SECTION 14 - Transportation Information

Not regulated for transportation

SECTION 15 - Regulatory Information

TSCA: The ingredients of this product are on the TSCA inventory.

SARA Exempt from SARA Title III Reporting; contains no section 313 Hazardous Components: No

Citric acid and water are listed as follows: NJ4: New Jersey other (included in 5 predominant ingredients >1%); PA3: Pennsylvania (nonhazardous - present at 3% or greater)

RCRA: If discarded in its purchased form, this product would not be considered a hazardous waste either by listing or its characteristics

SECTION 16 - Other Information

MSDS revised July 2, 2003