

MATERIAL SAFETY DATA SHEET

ELUTING SOLUTION

SECTION A - IDENTITY

Manufacturer's Name: ESA, Inc.
Address: 22 Alpha Road, Chelmsford, MA 01824-4171
Telephone Number: (978) 250-7000
Trade Name and Synonyms: Eluting Solution
Chemical Family: Acid Mixture
CAS #: N/A

SECTION B - HAZARDOUS INGREDIENTS

		%
Acetic Acid	CAS # 00064-19-7	1%
Perchloric Acid	CAS # 07601-90-3	< 1%

SECTION C - PHYSICAL DATA

Boiling Point:	100°C	Specific Gravity:	N/D
Vapor Pressure (mm Hg):	N/D	Percent Volatile by Volume (%):	N/D
Vapor Density (air=1):	N/D	Evaporation Rate:	N/D
Solubility in Water:	Complete	Reactivity in Water:	None pH = <1
Appearance and Odor:	Clear		

SECTION D - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/D
Flammable Limits: N/D
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam.

Special Fire Fighting Procedures:

None.

Unusual Fire and Explosion Hazards:

None.

SECTION E - HEALTH HAZARD DATA

OSHA Permissible Exposure Limit: 10 ppm as acetic acid
ACGIH Threshold Limit Value: 10 ppm as acetic acid;

Effects of Overexposure:

Acute Effects: Vapors may be irritating to skin, eyes nose and throat.

Chronic Effects: Chronic irritation of exposed tissues.

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. Support breathing if necessary. Seek medical attention if irritation persists.
Eyes: Flush eyes with water for 15 minutes. If irritation persists, see a physician.
Skin: Wash with plenty of water. Remove saturated clothing. Seek medical attention if irritation persists.
Ingestion: If swallowed, wash out mouth with water and see a physician.

SECTION F - REACTIVITY DATA

Avoid heat, sources of ignition, and flame. Incompatible with strong oxidizing agents.

SECTION G - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case of Spill:

Clean up with acid neutralizer (soda ash, limestone) or commercial acid spill kit.

Waste Disposal Method:

Dispose of according to applicable federal, state, and local regulations.

SECTION H - SPECIAL PROTECTION INFORMATION

Use general or local exhaust ventilation to meet TLV requirements. Safety goggles, rubber gloves, and lab coat are recommended.

SECTION I - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing:

Keep container tightly closed. Store in cool, dry, well ventilated storage area out of direct sunlight.

Other Precautions:

Do not get product in eyes, on skin or clothing.

James Mayol, QA Manager

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, ESA, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.