

# MATERIAL SAFETY DATA SHEET

## ACID METABOLITES PHASE A

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### 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: Acid Metabolites Phase A  
Chemical Family: Acid solution  
CAS #: N/A

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### SECTION B - HAZARDOUS INGREDIENTS

		%
Methanol	CAS # 00067-56-1	1%
Phosphoric Acid	CAS # 7664-38-2	Trace

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### SECTION C - PHYSICAL DATA

Boiling Point:	N/D	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
Appearance and Odor:	Clear, slight odor		

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### SECTION D - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >100°C (Closed cup)  
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: 200 ppm as Methyl Alcohol  
ACGIH Threshold Limit Value: 200 ppm as Methyl Alcohol

### 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.

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## SECTION F - REACTIVITY DATA

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

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## SECTION G - SPILL OR LEAK PROCEDURES

### Steps to be Taken in Case of Spill:

Pick up with sand or other non-combustible absorbent material and place in container for hazardous disposal.

### Waste Disposal Method:

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

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## SECTION H - SPECIAL PROTECTION INFORMATION

Use general or local exhaust ventilation to meet TLV requirements. Respiratory protection required if airborne concentration exceeds TLV. Safety goggles, face shield rubber gloves and protective suit are recommended.

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## 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.

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Harold Asp, QA Manager

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