

# MSDS

# Material Safety Data Sheet



24 HOUR EMERGENCY  
TELEPHONE NUMBER  
CALL CHEMTREC  
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## EasyFix

### Section I: PRODUCT INFORMATION

*Product Name:* **EasyFix**  
*Azer Scientific Order Number:* **ES784**  
*CAS Number:* **N/A**

### Section II: COMPOSITION

<i>Component(s):</i>		<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>		<i>NFPA</i>
Formaldehyde	10%	50-00-0	1	0.75/ 2	
Methanol	< 4%	67-56-1	200	200/250	Health 3
Ethanol	~58%	64-17-5	1000	1000/ NA	Flammability 4
MIBK	1%	108-10-1	50	50/ 75	Reactivity 0
Isopropanol	~ 4%	67-63-0	400	400/500	

### Section III: PHYSICAL DATA

*Boiling Point:* ~76- 99°C      *Specific Gravity (H<sub>2</sub>O = 1):* 0.9  
*Vapor Pressure mm Hg/20 °C:* 38      *Percent Volatile by Vol:* 100%  
*Vapor Density (Air 1:1):* 1.5      *Evaporation Rate (ether = 1):* >1  
*Solubility in H<sub>2</sub>O:* Complete      *Appearance & Odor:* Clear Liquid/Alcohol Odor

### Section IV: FIRE/EXPLOSION HAZARD

*Flash Point:* 70°F TCC      *Flammable Limits:* LEL 3.3      UEL 19.0  
*Extinguishing Media:* Water Spray, Dry Chemical, CO<sub>2</sub> and Foam for Alcohol  
*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.  
*Unusual Fire & Explosion Hazards:* Eliminate sources of ignition. Burns with invisible flame.

### Section V: REACTIVITY

*Stability:* Stable

*Material to Avoid:* Strong oxidizers, chromic anhydride, perchloric acids etc.

*Hazardous Decomposition or Byproducts:* Occurs slowly at elevated temperatures w/release of formaldehyde gas

*Hazardous Polymerization:* Does not occur

*Conditions to Avoid:* Excessive heat, sparks or flames

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## **Section VI: HEALTH HAZARDS**

*Routes of Entry:* Inhalation, Skin and Ingestion    *Target Organs:* Kidneys, nervous system, liver and eyes

*Acute:* Vapors cause eyes, skin and respiratory irritation, drowsiness, nausea, headache and vomiting.

*Chronic:* May cause liver, heart and kidney damage. May cause gastrointestinal disturbances and convulsions.

*Carcinogenicity:* Not classified as a human carcinogen, however, formaldehyde has potential to cause cancer.

*Signs/Symptoms of Exposure:* Vision blurring, drowsiness and headache.

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## **Section VI: HEALTH HAZARDS**

*Emergency First Aid:*

**Skin:** Remove contaminated clothing. Wash affected area with soap and water.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persist.

**Ingestion:** If person is conscious, rinse mouth thoroughly with water, dilute effects with milk and contact a physician immediately. If vomiting occurs, keep head lower than hips.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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## **Section VII: SAFE HANDLING**

*Chemical Release or Spill:* Eliminate source of ignition in the vicinity of the spill or released vapor. Isolate the spill area with sand, or other absorbent material. Place all contaminated material in close container for disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Incineration for liquids is the suggest method of disposal. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Use precautions for flammable liquids. Avoid excessive heat and sources of ignition. For large quantities, store in flammable safety cabinet. Use in well-ventilated area.

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## **Section VIII: CONTROL MEASURES**

*Respiratory Protection:* Not normally required. If used in a poorly ventilated area use under an approved fume hood or NIOSH approved respirator.

*Ventilation:* Special flammable exhaust hood if vapor concentration is high. In well-ventilated areas, mechanical exhaust is sufficient.

*Protective Gloves:* Chemical resistant                      *Eye Protection:* Safety glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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