



# Safety Data Sheet

Issue Date: 02-Mar-2014

Revision Date: 21-Apr-2022

Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** FAP-109 Fluorescent Fuel Leak Tracer Additive

**Other means of identification**

**SDS #** AGC-234

**Product Code** FAP-109

**UN/ID No** UN1170

**Other Information** Package type: ½ Pint Cans (8oz), Pint Cans (16oz), Gallon Cans

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Leak Detection Tracer Dye

**Details of the supplier of the safety data sheet**

**Manufacturer Address** AMERICAN GAS & CHEMICAL COMPANY, LTD  
220 Pegasus Avenue  
Northvale NJ 07647

**Emergency Telephone Number**

**Company Phone Number** Phone: 201-767-7300 Fax: 201-767-1741

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Opaque Yellow Suspension      **Physical State** Liquid      **Odor** Alcoholic

**Classification**

Flammable Liquids	Category 2
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**Signal Word**

Danger

**Hazard Statements**

Highly flammable liquid and vapor



**Precautionary Statements - Prevention**

- Use only outdoors or in a well-ventilated area
- Keep container tightly closed
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Ground/bond container and receiving equipment
- Use explosion-proof equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Wear protective gloves/protective clothing/eye protection/face protection
- Keep cool

**Precautionary Statements - Response**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
- IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

- Store in a well-ventilated place. Keep container tightly closed
- Store locked up

**Precautionary Statements - Disposal**

- Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethanol	64-17-5	70-80

Synonyms: Ethyl Alcohol  
Formula: C<sub>2</sub>H<sub>6</sub>O

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call physician.
<b>If Inhaled</b>	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin Contact:</b>	Wash off with soap and plenty of water. If irritation persists, call physician.
<b>If Swallowed:</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### Most important symptoms and effects

<b>Symptoms</b>	High vapor concentrations are irritating to the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects. Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and dermatitis. Contact may cause eye irritation.
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#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Foam, dry chemical, CO<sub>2</sub>, water spray or fog.

**Unsuitable Extinguishing Media** Not determined.

#### Specific Hazards Arising from the Chemical

Highly flammable liquid and vapor.

**Sensitivity to Static Discharge** Take precautionary measures against static discharge.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool exposed containers with water spray. Avoid breathing vapor or fumes.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Remove all ignition sources. Recover free liquid. Ventilate confined spaces.
<b>For Emergency Responders</b>	Follow applicable OSHA regulations (29 CFR 1910.120).
<b>Environmental Precautions</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

#### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Absorbent such as sand, sawdust, etc. to spill area.
<b>Methods for Clean-Up</b>	Use only non-sparking tools. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Keep container tightly closed. Do not breathe dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required. Use spark-proof tools and explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Use only with adequate ventilation.
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**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. Store locked up. Storage temperature: 50°F to 80°F

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Component	CAS-No	Value	Control Parameters	Basis
Ethanol	64-17-5	TWA	1000ppm	USA. ACGIH Threshold Limit Values
	Remarks	Upper Respiratory Tract irritation Confirmed animal carcinogen with unknown relevance to humans		
		TWA	1000ppm 1900 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		The value in mg/m <sup>3</sup> is approximate		
		TWA	1000ppm 1900 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limit

**Appropriate engineering controls**

**Engineering Controls** VENTILATION: Use with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking or open lights.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Use splash goggles or face shield when contact may occur.

**Skin and Body Protection** Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact. Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

**Respiratory Protection** Use supplied-air respiratory protection in confined or enclosed spaces.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Opaque yellow suspension	<b>Odor</b>	Alcoholic
<b>Color</b>	Opaque yellow	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	Not determined		
<b>Melting Point/Freezing Point</b>	Not determined		
<b>Boiling Point/Boiling Range</b>	78°C / 172°F		
<b>Flash Point</b>	14.0°C / 57.2°F		
<b>Evaporation Rate</b>	<1	(Water = 1)	
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Upper Flammability Limits</b>	19.0%		
<b>Lower Flammability Limit</b>	3.3%		
<b>Vapor Pressure</b>	44.6 mm Hg	@68°F (20°C)	
<b>Vapor Density</b>	>1.0	(Air=1)	
<b>Specific Gravity</b>	0.789		
<b>Water Solubility</b>	Not Soluble as mixture		
<b>Solubility in other solvents</b>	Soluble in Organic Solvents		
<b>Auto-ignition Temperature</b>	363.0°C / 685.4°F		
<b>Decomposition Temperature</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidizing Properties</b>	Not determined		

**10. STABILITY AND REACTIVITY**

**Reactivity** Not reactive under normal conditions.

**Chemical Stability** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions** Vapors may form explosive mixture with air.

**Conditions to Avoid** Keep out of reach of children. Heat, flames, sparks. Oxidizing agents, Peroxides.

**Incompatible Materials** Alkali metals, Ammonia, Oxidizing agents, Peroxides.

**Hazardous Decomposition Products** No data available.

## 11. TOXICOLOGICAL INFORMATION

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol 64-17-5	= 7,060 mg/kg ( Rat )	No data available	= 20,000ppm ( Rat ) 10 h

**Skin corrosion/irritation Rabbit:** No skin irritation – 24h (OECD Test Guideline 404)

**Serious Eye Damage/eye irritation Rabbit:** Mild eye irritation – 24h (OECD Test Guideline 405)

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	May cause temporary irritation on skin contact.
<b>Inhalation</b>	May cause irritation if inhaled. May cause drowsiness or dizziness.
<b>Ingestion</b>	May cause discomfort if swallowed.

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGI	IARC	NTP	OSHA
Ethanol 64-17-5	No	No	No	No

*IARC (International Agency for Research on Cancer)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

X - Present

**Numerical measures of toxicity** Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence/Degradability** Not determined.

**Bioaccumulation** Not determined

**Mobility** Not determined

**Other Adverse Effects** Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

<b>UN/ID No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Marine pollutant:</b>	No
<b>Poison Inhalation hazard:</b>	No

**IATA**

UN/ID No UN1170  
 Proper Shipping Name Ethanol solution  
 Hazard Class 3  
 Packing Group II  
 Marine pollutant: No

**IMDG**

UN/ID No UN1170  
 Proper Shipping Name Ethanol solution  
 Hazard Class 3  
 Packing Group II  
 Marine pollutant: No

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** Listed

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECS - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

Reach No. 01-2119457610-43-XXXX

**SARA 302** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313

**SARA 311/312** Fire Hazard, Chronic Health Hazard

**NJ State Right-to-Know Regulations**

Ethanol 64-17-5

**PA State Right-to-Know Regulations**

Ethanol 64-17-5

**MA State Right-to-Know Regulations**

Ethanol 64-17-5

**CA Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Reactivity</b>	<b>Special Hazards</b>
	2	3	1	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	3	1	B- Safety Glasses, Gloves

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 Revision Note: 3-Year Update

**Disclaimer**

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**End of Safety Data Sheet**