

Part Number: 1300

## 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product Name:** Papanicolaou EA36 Fast Green  
**Part Number:** 1300  
**CAS-No.:** Not applicable  
**SDS Number:** 3710

**1.2 Recommended Use:** Laboratory Chemicals

**1.3 Company:** Newcomer Supply  
 2505 Parview Road  
 Middleton, WI 53562 USA

**Telephone:** 1-800-383-7799

**Fax:** 1-608-831-0866

**Website:** [www.newcomersupply.com](http://www.newcomersupply.com)

**Email:** [newly@newcomersupply.com](mailto:newly@newcomersupply.com)

24 HOUR EMERGENCY CONTACT  
 CALL CHEMTREC: 1-800-424-9300  
 Contact CHEMTREC only in the event of  
 an emergency involving a chemical spill,  
 leak, fire, exposure or other accident.

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or mixture

**GHS Classification,** (in accordance with 29 CFR1910.1200)

Flammable liquid, Category 2

Acute toxicity (oral), Category 4

Acute toxicity (dermal), Category 4

Acute toxicity (inhalation), Category 4

Skin corrosion, Category 1

Serious eye damage, Category 1

Specific Target Organ Toxicity – Single exposure, Category 2

Germ cell mutagenicity, Category 2

### 2.2 GHS Label elements

**Signal Word** DANGER

**Pictogram**



**Hazard Statement(s):**

- Highly flammable liquid and vapour
- Harmful if swallowed
- Harmful in contact with skin
- Harmful if inhaled
- Causes severe skin burns and eye damage
- May cause damage to organs
- Suspected of causing genetic defects

**Precautionary Statement(s):**

**Prevention:**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof fume hood/electrical/ventilating/light equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.

Part Number: 1300

· Do not breathe dust/fume/gas/mist/vapours/spray.

**Response:**

· In case of fire use carbon dioxide, dry chemical or alcohol-resistant foam.

· IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

· IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

· Wash contaminated clothing before reuse.

· IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

· IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

· IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

· Specific treatment: see first aid measures in section 4.

· Immediately call a POISON CENTER or doctor/physician.

**Storage:**

· Store in a well ventilated place. Keep cool.

· Store locked up.

**Disposal:**

· Dispose of contents/ container to an approved waste disposal plant.

**2.3 Description of any hazards not otherwise classified** None

**2.4 >1% of mixture with unknown acute toxicity** None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**
**3.2 Mixture**
**Hazardous Components**

Component		Concentration
Name	Ethyl Alcohol	
CAS-No.	64-17-5	81-82%
Name	Methyl Alcohol	
CAS-No.	67-56-1	4-5%
Name	Isopropyl Alcohol	
CAS-No.	67-63-0	4-5%
Name	Fast Green	
CAS-No.	2353-45-9	<1%
Name	Eosin Y	
CAS-No.	548-26-5	<1%
Name	Phosphotungstic Acid	
CAS-No.	12067-99-1	<1%
Name	Lithium Carbonate	
CAS-No.	554-13-2	<1%

**4.1 Description of necessary measures**
**Inhalation (breathing)**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

**Skin Contact**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

**Eye Contact**

Part Number: 1300

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion (swallowed)**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**4.2 Most important symptoms and or effects, acute and delayed**

The most important symptoms/effects are presented in Section 2 and or Section 11.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**5. FIRE-FIGHTING MEASURES**
**5.1 Suitable extinguishing media**

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

**5.2 Specific hazards arising from the substance or mixture**

No data available

**5.3 Protective equipment and precautions for fire-fighters**

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

**NFPA Rating**

Health	Fire	Reactivity
hazard: 2	hazard: 3	hazard: 0

**6. ACCIDENTAL RELEASE MEASURES**
**6.1 Personal precautions, protective equipment and emergency procedures**

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area. Keep product away from heat, flame, ignition sources, and reactive materials. Avoid accumulation of vapor to form explosive concentration. Pay particular attention to low areas where vapor accumulates more easily.

**6.2 Methods and material for containment and cleaning up**

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations. Eliminate sources of ignition.

**7. HANDLING AND STORAGE**
**7.1 Precautions for safe handling**

Keep away from heat/sparks/open flames/hot surfaces – No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

**7.2 Conditions for safe storage, including any incompatibilities**

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Part Number: 1300

**8.1 Control Parameters**

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Ethyl Alcohol	64-17-5	OSHA PEL	TWA	1000 ppm (1900 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	1000 ppm (1880 mg/m <sup>3</sup> )
		NIOSH REL	TWA	1000 ppm (1900 mg/m <sup>3</sup> )

Component	CAS-No.	Regulatory	Value	Parameters
Methyl Alcohol	67-56-1	OSHA PEL	TWA	200 ppm (980 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	200 ppm (1,230 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	50 ppm (1,230 mg/m <sup>3</sup> )
		NIOSH REL	TWA	200 ppm (980 mg/m <sup>3</sup> )
		NIOSH REL	STEL	250 ppm (980 mg/m <sup>3</sup> )

Component	CAS-No.	Regulatory	Value	Parameters
Isopropyl Alcohol	67-63-0	OSHA PEL	TWA	400 ppm (980 mg/m <sup>3</sup> )
		ACGIH TLV	TWA	400 ppm (983 mg/m <sup>3</sup> )
		ACGIH TLV	STEL	500 ppm (1,230 mg/m <sup>3</sup> )
		NIOSH REL	TWA	400 ppm (980 mg/m <sup>3</sup> )
		NIOSH REL	STEL	500 ppm (980 mg/m <sup>3</sup> )

Component	CAS-No.	Regulatory	Value	Parameters
Phosphotungstic Acid	12501-23-4	ACGIH	TWA	5 mg/m <sup>3</sup> (as a tungsten soluble compound)
		ACGIH	STEL	0.10 mg/m <sup>3</sup> (as a tungsten soluble compound)

**8.2 Exposure Controls**
**Appropriate engineering controls**

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Use product in an appropriately designated fume hood. Take measures to keep concentrations below acceptable limits.

**8.3 Personal Protective Equipment**
**Eye/Face protection**

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

**Skin Protection**

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

**Body Protection**

No data available

**Respiratory Protection**

Part Number: 1300

Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Ethyl Alcohol: Where the potential exists for exposure over 1,000 ppm: use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.

Exposure to 3,300 ppm is immediately dangerous to life and health. If the possibility of exposure above 3,300 ppm exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

In case of emergency, entry into or escape from unknown concentrations select the highest level approved respiratory protection available.

**Other Information**

None

**9. PHYSICAL AND CHEMICAL PROPERTIES**
**9.1 Information on basic physical and chemical properties**

Physical state	Clear, brownish-red fluid
Odor	Alcoholic odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	78-80°C (172-176°F)
Flash point	13°C (55.4°F) Closed cup (Ethyl Alcohol)
Evaporation rate	1.4 (Butyl Acetate = 1)
Flammability (solid, gas)	Liquid is flammable
Upper flammability or explosive limits	19%
Lower flammability or explosive limits	3.3%
Vapor pressure	No data available
Vapor density	1.6 (Ethyl Alcohol)
Relative density	No data available
Solubility(ies)	Completely water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

**10. STABILITY AND REACTIVITY**
**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable in a closed container within label-specified storage temperature and expiration date.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

Heat, sparks, open flame, and ignition sources.

**10.5 Incompatible materials**

Part Number: 1300

Ethyl alcohol: Strong oxidizers, potassium dioxide, bromine pentafluoride, acetyl bromide, acetyl chloride, platinum, sodium concentrated sulfuric acid, potassium and hydrogen peroxides, platinum black, calcium hypochlorite, silver oxide, ammonia, nitric acid, mercuric nitrate, silver nitrate, magnesium perchlorate, isocyanates, mineral acids, and chloroform.

**10.6 Hazardous decomposition products**

Carbon dioxide and carbon monoxide may be released if product is heated to decomposition.

**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Inhalation exposure**

No data available

**Oral exposure**

No data available

**Dermal exposure**

No data available

**Skin corrosion/irritation**

Ethyl alcohol: Prolonged or repeated exposure can cause drying and cracking of the skin with peeling, redness and itching. Phosphotungstic acid contact can severely burn and irritate the skin.

**Serious eye damage/irritation**

Ethyl alcohol: Contact can irritate the eyes. Phosphotungstic acid contact can severely burn and irritate the eyes. Lithium carbonate may cause serious eye damage.

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

Fast green: Mutagenic effects have been reported in experimental animals as well as microorganisms. Salmonella typhimurium = 10 mg/plate. Mutagenic effects have been reported in humans.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

Ethyl alcohol: Repeated high exposure may affect the liver and the nervous system.

**Aspiration hazard**

No data available

**Acute toxicity**

Ethyl Alcohol:

LD50 rat oral 3450 mg/kg

LD50 mouse oral 7060 mg/kg

LC50 rat inhalation 20000 ppm/10H

LC50 mouse inhalation 20363 ppm/4H

Lithium Carbonate:

LD50 rat oral 525 mg/kg

Part Number: 1300

**Carcinogenicity**

IARC: None of the components are listed  
 NTP: None of the components are listed  
 OSHA: None of the components are listed

**Additional information**

RTECS: No data available

**12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Other adverse effects**

No data available

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste disposal methods**

**Contents**

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

**14. TRANSPORT INFORMATION**

**14.1 DOT (US)**

<b>UN-Number</b>	1170
<b>Proper shipping name</b>	Ethanol solutions
<b>Hazard class</b>	3
<b>Packing group</b>	II
<b>Environmental hazards</b>	No data available

**15. REGULATORY INFORMATION**

**15.1** No data available

**16. OTHER INFORMATION**

Preparation Information  
 Newcomer Supply Inc.  
 800-383-7799  
[www.newcomersupply.com](http://www.newcomersupply.com)  
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