

# Chem Alert Report

Manufacturer's Material Safety Data Sheet

Product Name **PAPANICOLAOU: EA65 [FRONINE LAB SUPPLIES].**

Ingredient	Conc.	CAS No.
METHANOL	10 - 29%	67-56-1
ACETIC ACID	<10%	64-19-7
ETHANOL	>60%	64-17-5

**Shipping** CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA  
ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.

**Synonyms** EA50 PAPANICOLAOU, FRONINE PAPANICOLAOU EA 50, PAPANICOLAOU: EA36, PAPANICOLAOU: EA65, PAPANICOLAOU: EA65 [FRONINE LAB SUPPLIES], PAPANICOLAOU: EA50.

**Appearance** RED LIQUID WITH GREEN TINGE

**Odour** SWEET SOLVENT ODOUR

**Use(s)** LABORATORY REAGENT, LABORATORY APPLICATIONS.

**Supplier** FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26

**Stock No.** 225.

**Poison Sched** 6

**Hazchem** 3WE

**UN No.** 1986

**D.G Class** 3

**Pkg Group** III

**EPG** 3A2

**Sub/Tert Risk** 6.1

## HEALTH HAZARDS

**Health Hazard Summary** Toxic - narcotic - slightly corrosive. This product may cause acute and chronic health effects. Use safe work practices to avoid eye or skin contact and vapour inhalation. Organic solvents exert their toxic effects primarily on the central nervous system. Chronic exposure may result in anaemia, liver, kidney and nerve damage. Damage to the optic nerves may occur with chronic exposure, causing visual problems and blindness.

**Eye** Corrosive - severe irritant. Exposure may result in pain, redness, corneal burns and ulceration with possible permanent damage with prolonged contact.

**Inhalation** Slightly corrosive - toxic. Over exposure may result in mucous membrane and upper respiratory tract irritation, burning sensation, nausea and headache. At high levels; staggering, fatigue, breathing difficulties, pulmonary oedema and convulsions. Chronic exposure may result in anaemia, liver, nerve and kidney damage.

**Skin** Slightly corrosive - toxic. Prolonged contact may result in burns, drying and defatting of the skin, rash and dermatitis. Toxic effects may result from skin absorption.

**Ingestion** Toxic - slightly corrosive. Ingestion may result in burns to mouth and throat, nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness. Large doses; acidosis, visual effects, optic nerve damage, circulatory and respiratory collapse, coma and death.

## PRECAUTIONS

**Flammability** Highly flammable. Vapours may form explosive mixtures with air. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

**Reactivity** Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. sulfuric acid), strong alkalis (eg. hydroxides), heat and ignition sources.

**Ventilation** Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended.

## PERSONAL PROTECTIVE EQUIPMENT

**PPE** Wear coveralls, splash-proof goggles and butyl or nitrile gloves. In poorly ventilated areas or where an inhalation risk exists, wear a Type A (Organic vapour) respirator. If spraying, wear a Type A-Class P1 (Organic vapour, Particulate) respirator.



Colour  
Rating  
**AMBER**

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## FIRST AID

- Eye** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or for at least 15 minutes.
- Inhalation** If over exposure occurs leave exposure area immediately. If other than minor symptoms are displayed seek immediate medical attention.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
- Ingestion** If poisoning occurs, contact a Doctor or Poisons Information Centre on 13 11 26 (Australia Wide). Do not induce vomiting without first seeking medical advice.

## SAFE HANDLING

- Storage** Store in cool, dry, well ventilated area, removed from direct sunlight, oxidising agents (eg. peroxides, hypochlorites), acids (eg. sulfuric acid), heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate ventilation.
- Waste Disposal** Wearing the protective equipment outlined, ensure all ignition sources are extinguished. For small quantities, absorb on paper, sand or similar and evaporate under a fume cupboard or open area. For large volumes, atomise into incinerator (mixing with more flammable solvent if required) or recycle by gravimetric separation, distilling & reusing. Contact RMT on +61 8 9322 1711 for additional information if required.
- Transport** Class 3 Flammable liquid. Do not transport with chemicals of class; 1 (Explosives), 2.1/ 2.3 (Flammable/ Toxic gases), 4.2 (Spontaneously combustibles), 5.1 (Oxidising agents), 5.2 (Organic peroxides), 6 (Toxics), 7 (Radioactives) and foodstuffs.

## EMERGENCY

- Spillage** If spilt (bulk), contact emergency services if appropriate. Wear splash-proof goggles, butyl/nitrile gloves, a Type A (Organic vapour) respirator, coveralls and boots. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar, collect and place in sealable containers for disposal.
- Environment** If released to the atmosphere methanol degrades via reaction with photochemically produced hydroxyl radicals. It is expected to biodegrade in both soil and water. If spilt on soil it is expected to be susceptible to significant leaching, as well rapid evaporation from dry surfaces is likely to occur. Chronic aquatic toxicity possible above 32 ppm.
- Fire and Explosion** Flammable - explosive vapour. Evacuate area & contact emergency services. Toxic gases (carbon oxides, hydrocarbons) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
- Extinguishing** Dry agent, carbon dioxide or water fog. Prevent contamination of drains or waterways, absorb runoff with sand or similar.

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Flammability:</b> HIGHLY FLAMMABLE	<b>Flash Point:</b> 12 C
<b>Boiling Point:</b> 65 - 78C	<b>Melting Point:</b> NOT AVAILABLE
<b>Exposure Standard:</b> 10 ppm Acetic acid	<b>Evaporation Rate:</b> NOT AVAILABLE
<b>pH:</b> 2.4 - 2.9	<b>% Volatiles:</b> 100 %
<b>Specific Gravity:</b> 0.8	<b>Solubility:</b> SOLUBLE
<b>Vapour Pressure:</b> 50 mm Hg (Approximately)	<b>Upper Explosion Limit:</b> 36.5% (Methanol)
<b>Lower Explosion Limit:</b> 3.3% (Ethanol)	