



Papanicolaou Stain OG-6

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

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SECTION 1: Identification

1.1. Product identifier

Product form : Mixtures
Product name : Papanicolaou Stain OG-6
Product code : P0096, IMOG6
Product group : Blend

1.2. Recommended use and restrictions on use

Recommended use : Laboratory chemicals
Restrictions on use : Not for food, drug or household use

1.3. Supplier

Produits Chimiques ACP Chemicals Inc.
4601, boul. des Grandes Prairies
Montreal, Quebec H1R 1A5
www.acpchem.com

1.4. Emergency telephone number

Emergency number : (613) 996-6666 (CANUTEC)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Flammable liquids, Category 2 H225
Carcinogenicity, Category 1A H350
Reproductive toxicity, Category 2 H361
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS-CA) :



GHS02



GHS08

Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) : H225 - Highly flammable liquid and vapour
H350 - May cause cancer
H361 - Suspected of damaging fertility or the unborn child

Precautionary statements (GHS-CA) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical, lighting, ventilating equipment
P242 - Use only non-sparking tools
P243 - Take action to prevent static discharges
P280 - Wear protective gloves, eye protection, protective clothing, face protection
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
P308+P313 - IF exposed or concerned: Get medical advice/attention
P370+P378 - In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, alcohol resistant foam to extinguish
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to Comply with applicable regulations

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2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
Ethanol	1-hydroxyethane / absolute alcohol / alcohol 200 proof / alcohol C2 / alcohol, anhydrous / alcohol, dehydrated / algrain / anhydrol / cologne spirit / ethicap / ethyl alcohol / ethyl hydrate / ethyl hydroxide / ethylic alcohol / fermentation alcohol / grain alcohol / methyl carbinol / methylated spirit (=ethanol) / neutral spirits / proof spirits / rectified spiritus / silent spirit / spirit of wine	(CAS-No.) 64-17-5	97.36	Flam. Liq. 2, H225 Carc. 1A, H350 Repr. 2, H361
Water		(CAS-No.) 7732-18-5	2.51	Not classified
Orange G		(CAS-No.) 1936-15-8	0.11	Not classified
Phosphotungstic Acid Hydrate		(CAS-No.) 12501-23-4	0.02	Skin Corr. 1B, H314 Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause cancer. May damage fertility or the unborn child. Suspected of damaging fertility or the unborn child. Causes damage to organs.

Symptoms/effects after inhalation : May cause cancer by inhalation.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after ingestion : Nausea. Vomiting. Diarrhoea.

Chronic symptoms : Impaired memory. Sensorial disturbances.

Potential adverse human health effects and symptoms : Suspected of causing cancer ({{0|message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>|filter=(_)?EXP_ROUTE_+}}). Based on available data, the classification criteria are not met.

4.3. Immediate medical attention and special treatment, if necessary

Treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

5.3. Specific hazards arising from the hazardous product

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

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5.4. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Dike and contain spill. Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.
- Personal Precautions, Protective Equipment and Emergency Procedures : Chemical goggles or safety glasses. Protective gloves. Protective clothing.

6.2. Methods and materials for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
- Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No naked lights. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands, forearms and face thoroughly after handling.
- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources, incompatible materials, combustible materials. Keep in fireproof place. Keep container tightly closed.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol (64-17-5)		
USA - ACGIH	ACGIH STEL (ppm)	1000 ppm (Ethanol; USA; Short time value; TLV - Adopted Value)
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Manitoba	OEL Ceiling (ppm)	1000 ppm
New Brunswick	OEL Ceiling (ppm)	1000 ppm
New Foundland & Labrador	OEL Ceiling (ppm)	1000 ppm
Nova Scotia	OEL Ceiling (ppm)	1000 ppm
Nunavut	OEL Ceiling (ppm)	1000 ppm
Northwest Territories	OEL Ceiling (ppm)	1000 ppm
Prince Edward Island	OEL STEL (ppm)	1000 ppm
Yukon	OEL TWA (ppm)	1000 ppm

8.2. Appropriate engineering controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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8.3. Individual protection measures/Personal protective equipment

Personal protective equipment : Gloves. Safety glasses. Avoid all unnecessary exposure.



Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Respiratory protection not required in normal conditions. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: No data available on colour
Odour	: No data available on odour
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: No data available.
Chemical stability	: Stable under normal conditions. Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures. Open flame.
Incompatible materials	: Strong acids. Strong bases.

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Hazardous decomposition products : mercury. Nitrogen oxides. fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

Likely routes of exposure : Skin and eyes contact.

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Ethanol (64-17-5)	
LD50 oral rat	10740 mg/kg (Rat; Experimental value,Rat; Experimental value)
LD50 dermal rabbit	> 16000 mg/kg (Rabbit; Literature study)
Water (7732-18-5)	
LD50 oral rat	≥ 90000 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Suspected of causing cancer ({{0 message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> filter=(_)?EXP_ROUTE_+}}). Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ethanol (64-17-5)	
LC50 fish 1	14200 mg/l (LC50; US EPA; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)

12.2. Persistence and degradability

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Persistence and degradability	Not established.
Ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.8 - 0.967 g O ₂ /g substance
Chemical oxygen demand (COD)	1.7 g O ₂ /g substance
ThOD	2.1 g O ₂ /g substance
BOD (% of ThOD)	0.43
Water (7732-18-5)	
Persistence and degradability	Not established.
Phosphotungstic Acid Hydrate (12501-23-4)	
Persistence and degradability	Not established.
Orange G (1936-15-8)	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
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Bioaccumulative potential	Not established.

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Ethanol (64-17-5)	
BCF fish 1	1 (BCF; Other; 72 h; Cyprinus carpio; Static system; Fresh water; Read-across)
Log Pow	-0.31 (Experimental value)
Log Koc	Koc,PCKOCWIN v1.66; 1; Read-across
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Water (7732-18-5)	
Bioaccumulative potential	Not established.

Phosphotungstic Acid Hydrate (12501-23-4)	
Bioaccumulative potential	Not established.

Orange G (1936-15-8)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Ethanol (64-17-5)	
Surface tension	0.022 N/m (20 °C)
Log Pow	-0.31 (Experimental value)
Log Koc	Koc,PCKOCWIN v1.66; 1; Read-across

12.5. Other adverse effects

GWPmix comment	: No known effects from this product.
Other information	: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

14.1. Basic shipping description

No additional information available

14.2. Transport information/DOT

Department of Transport

DOT NA no.	: UN1170
UN-No.(DOT)	: 1170
Packing group (DOT)	: II - Medium Danger
Transport document description	: UN1170 Ethanol solutions, 3, II
Proper Shipping Name (DOT)	: Ethanol solutions
Contains Statement Field Selection (DOT)	:
Transport hazard class(es) (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Division (DOT)	: 3
Hazard labels (DOT)	: 3 - Flammable liquid



Dangerous for the environment	: No
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DOT Special Provisions (49 CFR 172.102)	: 24 - Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 4b;150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 127
Other information	: No supplementary information available.

14.3. Air and sea transport

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

No additional information available

Phosphotungstic Acid Hydrate (12501-23-4)

Listed on the Canadian DSL (Domestic Substances List)

Orange G (1936-15-8)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Phosphotungstic Acid Hydrate (12501-23-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Orange G (1936-15-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor	: None
Date of issue	: 30/11/2016
Revision date	: 08/06/2017
Supersedes	: 30/11/2016

Indication of changes:

Other information : None.

Full text of H-statements:

H225	Highly flammable liquid and vapour
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

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SDS Canada ACP

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product