Safety Data Sheet

QUICKFIX

Revision Date: 07/25/19

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier	Trade name: QUICKFIX, Cytology Fixative Product code(s): 3375-02, 3375-04
1.2 Relevant identified uses	Laboratory Reagent
Supplier:	Astral Diagnostics Inc. 800-441-0366 Technical Service Monday-Friday: 8:00 -5:00 PM
Synonym:	None.
Material uses:	Laboratory Reagent.
Validation date:	12/11/2013
In case of emergency:	800-424-9300 CHEMTREC (USA) 24 Hours/Day: 7 Days/Week

2. HAZARDS IDENTIFICATION

Emergency Overview:

GHS Label Elements: Pictogram

Signal Word: **Danger!**

Hazard statement(s):

H225: Highly flammable liquid vapour
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness

Precautionary statement(s):

P210: Keep away from heat/sparks/open flames. No smoking
P233: Keep container tightly closed
P241: Use explosion-proof electrical, lighting, ventilating equipment
P242: Use only non-spark tools
P243: Take precautionary measures against static discharge
P264: Wash skin thoroughly after handling
P280: Wear eye protection, face protection, protective clothing, protective gloves

NFPA Rating	HMIS Classification
Health hazard: 2	Health hazard: 2
Fire: 3	Flammability: 3
Reactivity Hazard: 0	Physical hazards: 0

Potential Health Effects : Inhalation – May cause respiratory tract irritation.
Skin - May cause skin irritation.
Eyes – May cause eye irritation.
Ingestion – Potentially toxic if swallowed in large quantities.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Isopropanol	67-63-0	70
Acetone	67-64-1	20
PEG	25322-68-3	<1
Water	7732-18-5	Balance

4. FIRST AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.*
First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.
First-aid measures after eye contact: 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.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media: Do not use a heavy water stream

5.2 Special hazards arising from the substance or mixture
No additional information available

5.3 Advice for firefighters
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water form entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.
Emergency procedures: Evacuate unnecessary personnel.
6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material 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.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

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 vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.
Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.
Storage conditions: Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.
Incompatible products: Strong oxidizers. Strong reducing agents. Strong bases.
Incompatible materials: Sources of ignition. Direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Type	Value	Note
Isopropanol	ACGIH	TWA	200 ppm	
	ACGIH	STEL	400 ppm	
	NIOSH	TWA	980 mg/m3, 400 ppm	
	OSHA	TWA	980 mg/m3, 400 ppm	
Acetone	ACGIH	STEL	1188 mg/m3	
	ACGIH	TWA	1782 mg/m3	
	OSHA	STEL	2400 mg/m3	
	NIOSH	TWA	590 mg/m3, 250 ppm	
PEG	WEEL	TWA	10 mg/m3	

Personal protective equipment: Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.
Hand protection: Wear protective gloves.
Eye protection: Chemical goggles or face shield.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Wear appropriate mask. Gas mask with filter type B.
Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.
Flash Point: Closed cup: 12°C
pH: NA
Melting/freezing point: -88°C
Vapor pressure: 44 hPa
Odor threshold: NA
VOC: NA
Explosive limits: 2-13 vol%

Color: Clear, colorless
Odor: Pungent
Boiling/condensation point: 82°C
Relative density: 0.79 g/ml at 25°C
Vapor density: NA
Evaporation rate: NA
Solubility: Soluble in the following materials: water

10. STABILITY AND REACTIVITY

10.1. Reactivity
Upon combustion: CO and CO2 are formed. Violent to explosive reaction with strong oxidizers.
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
May react violently with oxidizers
10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperature. Open flame
10.5. Incompatible materials
Ammonia. Strong acids. Strong oxidizers
10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide. May release flammable gases.

11. TOXICOLOGICAL INFORMATION

Isopropanol
LD50 dermal rabbit 12870 mg/kg
LC50 inhalation rat 73 mg/l/4hr
ATE oral 5045 mg/kg body weight

Water (7732-18-5)
LD50 oral rat ≥ 90000 mg/kg
ATE US (oral) 90000.000 mg/kg body weight

Poly Ethylene glycol (25322-68-3)
LD50 oral rat 50000 mg/kg

Acetone (67-64-1)
LD50 oral rat 5800 mg/kg
LD50 dermal rabbit 20000 mg/kg

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: causes irritating effect
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not Classified

12. ECOLOGICAL INFORMATION

Toxicity

Isopropanol		

	LC50 fish2	9640 mg/l
	EC50 Daphnia2	13299 mg/l
Acetone		
	LC50 fish 1	5540 mg/l/96h

Persistence and degradability

Isopropanol		
	BOD	1.19 gO2/g
	COD	2.23 gO2/g
	ThOD	2.4 gO2/g
Acetone		
	BOD	1.43 gO2/g
	COD	1.92 gO2/g
	ThOD	2.2 gO2/g

Bioaccumulative Potential

Acetone		
	Log Pow	-0.24
	BCF fish	0.69

Mobility in soil

Isopropanol	Surface tension	0.021 N/m
Acetone	Surface tension	0.0237 N/m

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 1219
Class: 3
Packing Group: II
Proper Shipping name: Isopropyl Alcohol

IMDG/IATA
UN number: 1219
Class: 3
Packing Group: II
Proper Shipping name: Isopropyl Alcohol

15. REGULATORY INFORMATION

15.1 US Federal regulations
Listed on the United States TSCA (Toxic Substances Control Act) Inventory
Listed on SARA section 313 (specific toxic chemical listings)

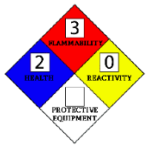
15.2 International regulations
Isopropanol

WHMIS Classification: Class B Division 2-Flammable Liquid, Class D Division 2 Subdivision A- Very toxic material causing other toxic effects

15.3 California Proposition 65
This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.)



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