



Medical chemical Corp.
19430 Van Ness Ave.
Torrance, CA 90501

Customer Service: Phone (310)787-6800
FAX (310)787-4464

CHEMTREC Emergency Response Telephone Number: (800)424-9300

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

Section 1 - Product Identification

A solution of giemsa stain and glycerin in methanol.

Section II - Composition/Information on Components

Ingredients	CAS#	OSHA Pel	ACGIH TLV	Other Limits	%
giemsa stain	51811-82-6	-----	-----		0.76% w/v
methyl alcohol	67-56-1	200 ppm (TWA)	200 ppm (TWA)		50% v/v
glycerin	56-81-5	5 mg/m ³ (mist)	TWA 10 mg/m ³		62.3% w/v

Section III - Hazards Identification

Overview: Toxic by inhalation absorption or ingestion. Can not be made nontoxic. Methanol is a cumulative poison and death has been reported for ingestion of less than 30 milliliters. Causes CNS depression, headache, intoxication, dilation of the pupils, convulsions nausea, and dizziness. Unconsciousness and death may result. Methanol intoxication may produce visual disturbances and blindness.

Safety Ratings

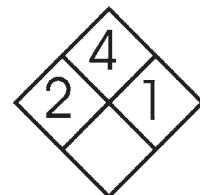
Health: Hazardous *Flammability:* Flammable *Reactivity:* Slight *Contact:* Slight

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: Room Temperature away from sources of ignition.

NFPA Ratings

Health = 2 Flammability = 4 Reactivity = 1



Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other aliphatic alcohols.

Inhalation: Alcohols are absorbed through the mucous membranes and will produce irritation as well as the same effects as ingestion.

Ingestion: Inhalation will produce CNS disturbance, dizziness, photophobia, headache, stupor, coma and death.

Skin contact: Alcohols are absorbed through the skin. Repeated contact causes defatting of the skin with resultant irritation and flaking.

Eye contact: May be irritating

Chronic Exposure: Unknown

Aggravation of preexisting conditions: Impaired kidney and liver function may be aggravated by exposure to alcohols. Preexisting eye, skin, and respiratory conditions may also be aggravated. Methanol has shown genetic toxicity in some animals.

Section IV - First Aid Measures

Inhalation: Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: Do not induce vomiting if patient is unconscious or extremely drowsy. Otherwise administer 2 glasses of water and induce vomiting. Get immediate medical attention even if symptoms improve.

Skin Contact: In case of skin contact, remove contaminated clothing and flush with water. Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: In case of eye contact, flush with water for at least 15 minutes and get medical attention.

Section V - Fire Fighting Measures

Flash point: 18°C (64°F) TCC

Flammable Limits: LEL: 6.0, UEL: 36.5

Explosion: Not Normally an explosion hazard.

Fire Extinguishing Media: Alcohol type foam, carbon dioxide or dry chemical. Water is ineffective against alcohol fires but may be used to cool adjacent containers.

Special information: Pyrolysis will release toxic oxides such as carbon monoxide.

Section VI - Accidental Release Measures

Remove all sources of ignition, absorb with a suitable absorbent (such as paper towels) and dispose.

Section VII - Handling and Storage

Store in a closed container, away from open flames or other sources of ignition.

Section VIII - Exposure Control/Personal Protection

Airborne Exposure Limits: See section II

Ventilation System: Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

Skin protection: Protective gloves are not required but recommended as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

Boiling Point: 78°C (172°F)

Vapor pressure (mm Hg): 98 @ 20°C

Vapor Density (air = 1): 1.1

Appearance and Odor: An opaque purple solution with the characteristic odor of methanol.

Density: 1.07 g/ml

Evaporation Rate (Methanol = 1): 1

Solubility: Mostly miscible with water

Section X - Stability and Reactivity

Stability: Freezes only at very low temperature.

Hazardous Decomposition Products: Nothing unusual.

Hazardous polymerization: Will not occur.

Incompatibilities: Oxidizers.

Conditions to avoid: heat, flame and sources of ignition.

Section XI - Toxicological Information

Cancer lists

Ingredient	Known Carcinogenicity?	NTP?	Anticipated?	IARC Category
Methanol	no	no	no	none
giemsa stain	no	no	no	none
glycerin	no	no	no	none

Section XII - Ecological Information*Environmental Fate:* Mostly biodegradable*Environmental Toxicity:* None expected

Methanol evaporates quickly and is not expected to bioaccumulate. The material is removed from the air by dry and liquid adsorption.

Section XIII - Disposal

The preferred disposal method is incineration. Localities may restrict the amounts of alcohols that may be flushed down the drain. Insure compliance with all government regulations.

Section XIV - Transportation information*DOT Shipping name:* Methyl alcohol*Hazard Class:* 3 *Packaging Group:* II*DOT Hazard Label:* Flammable liquid*DOT Identification Number:* UN1230

Bottles smaller than 32 Fl. Oz. are eligible to be shipped under ORM-D or limited quantity exemptions [49 CFR section 173.150(b)(2) and 173.150(C)].

Section XV - Regulatory Information**Chemical Inventory Status**

Ingredient	TSCA	EC
Methanol	Yes	Yes
giemsa stain	Yes	Yes
glycerin	Yes	Yes

Federal, State and International Regulations

Ingredient	SARA 302		SARA 313		RCRA	TSCA
	RQ	TPQ	List	Category	261.33	8(D)
methanol	No	No	Yes	No	U154	No
Chemical Weapons Convention:	No		TSCA 12(b): No CDTA: Yes			
SARA 311/312:	Acute: Yes, Chronic: Yes					

Section XVI - Other Information

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Prepared by: P. B. Revision Date: Mar. 7, 2006