


## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b>	<b>Alcoholic Giemsa Stain</b>
<b>SYNONYMS:</b>	Giemsa Stain solution, Giemsa Stain Modified, Giemsa Solution
<b>CATALOG CODES:</b>	VAG
<b>MANUFACTURER:</b>	Volu-Sol
<b>ADDRESS:</b>	5095 West 2100 South Salt Lake City, UT 84120
<b>EMERGENCY PHONE:</b>	(800) 535-5053
<b>OTHER CALLS:</b>	(801) 974-9474
<b>FAX:</b>	(801) 974-9553
<b>CHEMICAL FAMILY:</b>	-
<b>CHEMICAL FORMULA:</b>	-
<b>PREPARED BY:</b>	Volu-Sol
<b>RECOMMENDED USE:</b>	Laboratory chemicals, manufacture of substances
<b>RESTRICTIONS ON USE:</b>	Use as recommended

## SECTION 2: HAZARD(S) IDENTIFICATION

<b>EMERGENCY OVERVIEW:</b>	
<b>GHS Classification:</b>	Flammable liquids (Category 2) Acute Toxicity, Oral (Category 3) Acute Toxicity, Inhalation (Category 3) Acute Toxicity, Dermal (Category 3) Specific target organ toxicity (Category 1) Single Exposure
<b>GHS LABEL ELEMENTS:</b>	
<b>Pictogram:</b>	
<b>Signal Word:</b>	Danger
<b>Hazard Statement(s):</b>	H225 Highly flammable liquid and vapour H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled H370 Causes damage to organs
<b>Precautionary Statement(s):</b>	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking P233 Keep container tightly closed P240 Ground/bond container and receiving equipment P241 Use explosion-proof electrical/ventilating/lighting equipment P242 Use only non-sparking tools P243 Take precautionary measures against static discharge P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray P264 Wash skin thoroughly after handling P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well-ventilated area P280 Wear protective gloves/ protective clothing/ eye protection/ face protection P301+P310+P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth P303+P361+P353 IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340+P311 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician P307+P311 IF exposed: Call a POISON CENTER or doctor/physician P363 Wash contaminated clothing before reuse P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction P403+P233 Store in a well-ventilated place. Keep container tightly closed P403+P235 Store in a well-ventilated place. Keep cool

P405  
P501Store locked up  
Dispose of contents/container to an approved waste disposal plant**OTHER HAZARDS:** None**HMIS Classification:**

<b>Health hazard:</b>	2
<b>Chronic health hazard:</b>	-
<b>Flammability:</b>	3
<b>Physical hazards:</b>	0

**NFPA Rating:**

<b>Health hazard:</b>	2
<b>Fire:</b>	3
<b>Reactivity Hazard:</b>	0

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
Methanol (80-<99%)	67-56-1 200-659-6 603-001-00-X

## SECTION 4: FIRST AID MEASURES

**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician**SKIN:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician**EYE:** Flush eyes with water as a precaution

## SECTION 5: FIRE-FIGHTING MEASURES

<b>FLAMMABLE LIMITS IN AIR:</b>	<b>Percentage by Volume</b>
	Upper: - %
	Lower: - %

**FLASH POINT:** 9.7°C (49.5°F) – closed cup**AUTOIGNITION TEMPERATURE:** -**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**FIRE FIGHTING PROCEDURES:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode**FIRE AND EXPLOSION HAZARDS:** Use water spray to cool unopened containers

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal. Dispose of in accordance with local regulations. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The number to contact the US Coast Guard National Response Center is (800) 424-8802

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No

smoking. Take measures to prevent the buildup of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

**INCOMPATIBILITIES:** Acid chlorides, acid anhydrides, oxidizing agents, alkali metals, reducing agents, acids

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE LIMITS:** Reported in a time-weighted average (TWA)

Component	CAS-No.	Reference	OSHA		ACGIH	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Methanol	67-56-1		200	260	200	260
			PEL	PEL	TLV	TLV

**VENTILATION SYSTEM:** Local and/or general exhaust is recommended to keep exposure below limits. Local exhaust ventilation is preferred for control of the emissions at its source, to prevent dispersion into the general work area. Please refer to the ACGIH document, *Industrial Ventilation: A Manual of Recommended Practices*, for details

**PERSONAL RESPIRATORS:** If exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapour respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier; whichever is lowest. A full-face piece organic vapour respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face, positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres

**SKIN PROTECTION:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

**EYE PROTECTION:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** liquid  
**ODOR:** pungent  
**SOLUBILITY:** -  
**pH:** -  
**BOILING POINT:** -  
**MELTING POINT:** -  
**VAPOR PRESSURE (kPa):** -  
**SPECIFIC GRAVITY:** -  
**MOLECULAR WEIGHT:** -  
**DENSITY:** -  
**VISCOSITY:** -  
**REFRACTIVE INDEX:** -

#### SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under recommended conditions of use and storage

**CONDITIONS TO AVOID:** Heat, flames, ignition sources and incompatibles

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**  
No data available

#### SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** No data available  
**Acute Toxicity:** Oral rat LD50: - mg/kg  
Inhalation rat LC50: - mg/m<sup>3</sup>  
Dermal LD50: - mg/kg  
**Skin/Eye Irritation:** -  
**ROUTES OF ENTRY:** Inhalation/Ingestion/Skin

#### SECTION 12: ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:**  
**Soil Release Material** No data available  
**Air Release Material** No data available

**ENVIRONMENTAL TOXICITY:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

#### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dispose of as unused product

#### SECTION 14: TRANSPORT INFORMATION

US DOT	IATA
Shipping Name: Methanol, solution	Shipping Name: Methanol, solution
Hazard Class: 3	Hazard Class: 3
UN Number: 1230	UN Number: 1230
Packing Group: II	Packing Group: II

#### SECTION 15: REGULATORY INFORMATION

<b>SARA 302</b>	-
<b>SARA 313</b>	67-56-1
<b>SARA 311/312 Hazards</b>	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
<b>State</b>	Right to know lists: MA: 67-56-1 PA: 67-56-1 NJ: 67-56-1 California Prop. 65 Components: 67-56-1

#### SECTION 16: OTHER INFORMATION

**Disclaimer:** The information is provided without any representation or warranty, express or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.