

# ENG SCIENTIFIC, LLC

121 Jersey Ave, 2<sup>nd</sup> Floor  
New Brunswick, NJ, USA 08901

## SAFETY DATA SHEET (SDS)

### #1 - IDENTIFICATION

**Product Identifier – Ziehl-Neelsen Stain Kit (Solution III)**

**Product Code – 7000, 7050 – 7061**

**Synonyms – Loeffler's Methylene Blue**

**Recommended use -** Professional, scientific and medical-technical activities

**Recommended restrictions -** None known

**Manufacturer:**

**Company Name -** ENG Scientific, LLC  
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### #2 - Hazard(s) Identification

**Physical hazards** Flammable liquid Category 1

**Health hazard** Skin and eye irritant Category 0

**Label elements**



<b>Signal word</b>	Warning
<b>Hazard statement</b>	Harmful if swallowed, mild skin irritant.
<b>Precautions</b>	Keep away from heat/sparks/hot surfaces. Do not breathe vapor. Wear protective gloves.
<b>Storage</b>	Store at room temperature
<b>Supplemental info</b>	Avoid release to the environment
<b>Disposal</b>	Dispose of contents-according to local regulations

**NFPA Rating**

- HEALTH:	0
- FLAMMABILITY:	1
- REACTIVITY:	0

### #3 – Composition

<b>Chemical name:</b>	Ethanol	CAS # 64-17-5
	Methylene Blue	CAS # 7220-79-3

### #4 – First-aid measures

**Inhalation:** Harmful if inhaled or swallowed. Remove to fresh air.

**Eye contact:** Remove contact lenses if worn. Flush eyes with water if irritated. Mild irritant.

**Skin contact:** Wash skin and clothing with soap and water.

**Swallowing:** If swallowed, immediately drink two glasses of water.

### #5 – Fire-fighting measures

**Extinguishing media:** Water spray, carbon dioxide, dry chemical powder, alcohol or universal type foam.

**Special fire-fighting procedures:** Water spray, carbon dioxide, dry chemical powder, alcohol or universal type foam.

## **#6 – Accidental release measures**

**Steps to be taken in case material is released or spilled:** Wear gloves and soak up spilled solution with disposable towels. Small spills should be flushed with water. Large spills should be collected for disposal. Dilute and wash down drain with excess water.

## **#7 – Handling and storage**

**Handling:** Protect for damage.

**Storage:** Store at room temperature and in a closed container.

## **#8 – Exposure controls/personal protection**

**Respiratory protection:** NIOSH-approved respirator.

**Ventilation:** General (mechanical) ventilation recommended.

**Protective gloves:** Impermeable.

**Eye protection:** Chemical splash goggles, eye bath.

**Other protective equipment:** Lab coat.

## **#9 – Physical and chemical properties**

**Appearance:** Blue liquid.

**Odor:** Alcoholic

**Boiling point:** 174°F

**Specific gravity:** (H<sub>2</sub>O = 1) N/A

**Vapor density:** (air = 1) 1.6

**Solubility in H<sub>2</sub>O** = Complete

**Freezing point:** N/A

**Evaporation Rate** = N/A

**Flash point:** 90°F, Tag Closed Cup 95°F, Tag open Cup  
(test methods)

## **#10 – Stability and reactivity**

**Stability:** Stable as supplied.

**Incompatibility:** None.

**Conditions to avoid:** Keep away from heat and sources of ignition.

**Hazardous polymerization:** Will not occur.

## **#11 - Toxicology information**

**Route of Exposure – Inhalation** Causes irritation of eyes, skin, nose and throat.

**Route of Exposure – Skin** Causes irritation.

**First Aid – Skin** Wash skin with soap and water.

**Route of Exposure – Eyes** Tearing might occur.

**First Aid – Eyes** Flush eyes with water if irritated.

**Route of Exposure – Ingestion** Give two glasses of water.

**Health Conditions Aggravated by Exposure** N/A

## **#12 – Ecological information**

Small spills should be collected with disposable towels. Large spills should be collected and washed down drain with water.

## **#13 – Disposal considerations**

Disposal of hazardous material may be subject to federal, state or local regulations. The information contained in this document is believed to be factual, however, nothing presented herein is to be taken as a warranty or representation for which ENG Scientific, LLC shall be responsible.

## **#14 – Transport information**

**PROPER SHIPPING NAME:** Ethanol

**UN NUMBER:** 1170

**HAZARD CLASS:** 3

**PACKING GROUP:** II

DOT SHIPPING LABEL: Flammable Liquid



*N/A For Limited Quantity*

### **#15 – Regulatory information**

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, SUBPT. D)** Not regulated

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not on regulatory list

**CERCLA Hazardous Substance List (40 CFR 302.4)** Ethanol (CAS # 64-17-5)

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard	– No
Delayed Hazard	– No
Fire Hazard	– No
Pressure Hazard	– No
Reactivity Hazard	– No

**SARA 302 Extremely hazardous substance** Not listed

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated

**Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130):** Not regulated

**Clean Water Act (CWA) Section 112® (40 CFR 68.130):** Hazardous substance

**Safe Drinking Water Act (SDWA):** Not regulated

**Drug Enforcement Administration (DEA). List 2 Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number:** Not listed

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c):**  
Not regulated

**DEA Exempt Chemical Mixtures Code Number:** Not regulated

**Food and Drug Administration (FDA):** N/A

**US state regulation:** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**US. Massachusetts RTK – Substance List:** Ethanol (CAS # 64-17-5)

**US. New Jersey Worker and Community Right-to-Know Act:** Ethanol (CAS # 64-17-5)

**US. Pennsylvania RTK – Hazardous Substances:** Ethanol (CAS # 64-17-5)

**US. Rhode Island RTK:** Ethanol (CAS # 64-17-5)

**US California Proposition 65:**

**US-California Proposition 65 – Carcinogens and Reproductive Toxicity (CRT):** Not listed

**International Inventories**

Country/Region	Inventory name	On Inventory*
Canada	Non-domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Chemical Substances (EINECS)	Yes
U.S.	Toxic Substances Control Act (TSCA) Inventory	Yes
Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\* *Yes complies with the inventory requirements administered by the governing country.*

### **#16 – Other information**

**Issue date** January 31, 2022

**Version #** 04

**Further information** The information contained in this document is believed to be factual, however, nothing presented herein is to be taken as a warranty or representation for which ENG Scientific, LLC shall be responsible.