

# ENG SCIENTIFIC, LLC

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

## SAFETY DATA SHEET (SDS)

### #1 - IDENTIFICATION

**Product Identifier** – Lendrum’s Stain Kit (Solution II)

**Product Code** – 9540

**Synonyms** – Phloxine B Solution, 0.5%

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

**Recommended restrictions** - None known

**Manufacturer:**

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### #2 - Hazard(s) Identification

**Physical hazards** Flammable liquid Category 2

**Health hazard** Serious eye damage/irritation Category 2A

**Label elements**



**Signal word** Warning

**Hazard statement** Flammable liquid and vapor

**Precautions** Keep away from heat/open flames/hot surfaces

**Storage** Store at room temperature

**Supplemental info** Avoid release to the environment

**Disposal** Dispose of contents-according to local regulations

**NFPA Rating** - HEALTH: 2  
- FLAMMABILITY: 3  
- REACTIVITY: 0

### #3 – Composition

**Chemical name:** Phloxine B CAS # 18472-87-2  
Calcium Chloride CAS # 10035-04-8  
Ethanol CAS # 64-17-5

### #4 – First-aid measures

**Inhalation:** N/A

**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. Material is essentially non-toxic.

### #5 – Fire-fighting measures

**Extinguishing media:** N/A

**Special fire-fighting procedures:** N/A

## **#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:** N/A

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

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

**Respiratory protection:** N/A

**Ventilation:** N/A

**Protective gloves:** Standard

**Eye protection:** N/A

**Other protective equipment:** Lab coat.

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

**Appearance:** Bright red liquid.

**Odor:** Odorless                      **Boiling point:** 101.325 kPa > NA      174°F

**Specific gravity:** (H<sub>2</sub>O = 1)    N/A 0.792

**Vapor density:** (air = 1)    1.6              **Solubility in H<sub>2</sub>O** = Complete              **Freezing point:** N/A              **Evaporation Rate** = N/A

**Flash point:** N/A    80°F, Tag Closed Cup ASTM D 56    70°F, Tag Open Cup  
(test methods)

## **#10 – Stability and reactivity**

**Stability:** Stable as supplied.

**Incompatibility:** None

**Conditions to avoid:** Open flames.

**Hazardous polymerization:** Will not occur.

## **#11 - Toxicology information**

**Route of Exposure – Inhalation**    N/A

**Route of Exposure – Skin**    N/A

**First Aid – Skin**    N/A

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

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

**Route of Exposure – Ingestion**    Drink 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:** N/A

**UN NUMBER:** N/A

**HAZARD CLASS:** N/A

**PACKING GROUP:** N/A

**DOT SHIPPING LABEL:** N/A

## **#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)** Methanol (CAS 67-56-1)

**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:** Methanol (CAS 67-56-1)

**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):** Not regulated

**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 Mixture (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) Methanol (CAS 67-56-1) 2-Propanol (CAS 67-63-0)

**US. New Jersey Worker and Community Right-to-Know Act:** Ethanol (CAS 64-17-5) Methanol (CAS 67-56-1) 2-Propanol (CAS 67-63-0)

**US. Pennsylvania RTK–Hazardous Substances:** Ethanol (CAS 64-17-5) Methanol (CAS 67-56-1) 2-Propanol (CAS 67-63-0)

**US. Rhode Island RTK:** Methanol (CAS 67-56-1) 2-Propanol (CAS 67-63-0)

**US California Proposition 65:**

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

**International Inventories**

<b>Country/Region</b>	<b>Inventory name</b>	<b>On Inventory*</b>
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.