

ENG SCIENTIFIC, LLC

121 Jersey Ave, 2nd Floor
New Brunswick, NJ, USA 08901

SAFETY DATA SHEET (SDS)

#1 - IDENTIFICATION

Product Identifier – Modified Trichrome Stain Kit (Solution I)

Product Code – 6640, 6644

Synonyms – Formalin, 10%

Recommended use - Professional, scientific and medical-technical activities

Recommended restrictions - None known

Manufacturer:

Company Name - ENG Scientific, LLC
121 Jersey Ave, 2nd Floor
New Brunswick, NJ, USA 08901

Contact Telephone (973) 472 - 7200
Toll Free (800) 922 - 0223
Website www.engscientific.com
E-mail info@engscientific.com

Emergency Contact Chemtrec (800) 424-9300
(217) 424-5200 ADM Corporate

#2 - Hazard(s) Identification

Physical hazards Mild irritation Category 0

Health hazard N/A Category 0

Label elements



Signal word None

Hazard statement N/A

Precautions N/A

Storage Store at room temperature

Supplemental info Avoid release to the environment

Disposal Dispose of contents-according to local regulations

NFPA Rating - HEALTH: 0

- FLAMMABILITY: 0

- REACTIVITY: 0

#3 – Composition

Chemical name: Formaldehyde 37%, M 7% CAS # 50-00-0

#4 – First-aid measures

Inhalation: Removed 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. Induce vomiting.

#5 – Fire-fighting measures

Extinguishing media: Use water spray or universal type foam.

Special fire-fighting procedures: With heating, the product may release irritating formaldehyde.

#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 from damage.

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

#8 – Exposure controls/personal protection

Respiratory protection: NIOSH-approved respirator.

Ventilation: General room ventilation or special local ventilation also recommended.

Protective gloves: Impermeable.

Eye protection: Immediately flush eyes with water for several minutes. Remove contacts if worn. Goggles.

Other protective equipment: Lab coat.

#9 – Physical and chemical properties

Appearance: Clear, colorless liquid.

Odor: Pungent, irritating odor.

Boiling point: 101.325 kPa > NA

Specific gravity: (H₂O = 1) 1.09

Vapor density: (air = 1) N/A

Solubility in H₂O = Complete

Freezing point: N/A

Evaporation Rate = N/A

Flash point: 180°F

(test methods)

#10 – Stability and reactivity

Stability: Stable as supplied.

Incompatibility: Strong acids or bases; active metals; oxidants

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

Hazardous polymerization: Will not occur.

#11 - Toxicology information

Route of Exposure – Inhalation Irritant

Route of Exposure – Skin Irritant

First Aid – Skin Wash with soap and water.

Route of Exposure – Eyes Tearing might occur.

First Aid – Eyes Flush eyes with water if irritated.

Route of Exposure – Ingestion Harmful irritant.

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) Not listed

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: Not regulated

US. New Jersey Worker and Community Right-to-Know Act: Not regulated

US. Pennsylvania RTK – Hazardous Substances: Not regulated

US. Rhode Island RTK: Not regulated

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

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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.