SAFETY DATA SHEET:

Stemgent AP Staining Kit II

1. IDENTIFICATION

1.1. Product Name	Stemgent® Alkaline Phosphatase Staining Kit II
1.2. Catalog Number	00-0055
1.3. Uses and restrictions	For research use only. Not for use in therapeutic or diagnostic applications
1.4. Manufacturer/Supplier	REPROCELL USA, Inc. 9000 Virginia Manor Road, Suite 207 Beltsville, MD 20705 USA
1.5. In Case of Emergency	• For medical emergencies, contact your local emergency center. • For transportation emergencies, contact your local transportation authorities. • For other non-medical or environmental emergencies please call (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday.

2. HAZARDS IDENTIFICATION

2.1. GHS Classification according to Annex II

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

- Flammable liquids (Category 4), H227
- Acute toxicity, Oral (Category 4), H302
- Skin irritation (Category 2), H315
- Serious eye damage (Category 1), H318
- Skin sensitization (Category 1), H317
- Carcinogenicity (Category 1A), H350
- Specific target organ toxicity – single exposure (Category 1), H370

2.2. Signal Word

Danger

2.3. Symbol



2.4. Hazard Statement(s)

- H227: Combustible Liquid
- H302: Harmful if swallowed
- H315: Causes skin irritation
- H315: May cause an allergic skin reaction
- H318: Causes serious eye damage
- H341: Suspected of causing genetic defects
- H350: May cause cancer
- H370: Causes damage to organs

2.5. Precautionary Statement(s)

- P201: Obtain special instructions before use
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking

- P260: Do not breateh dust/fumes/gas/mist/vapors/spray
- P264: Wash skin thoroughly after handling
- P270: Do not eat, drink, or smoke when using this product
- P272: Contaminated work clothing should not be allowed out of workplace
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P301+P312+P220: IF SWALLOWED: Call a Poison Center or doctor/physician if you feel unwell. Rince Mouth
- P302+P352: IF ON SKIN: Wash with plenty of soap and water
- P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately contact a Poison Center or doctor/physician
- P333+P313: If skin irritation or rash occurs: Get medical attention or advice
- P362: Remove contaminated clothing and wash before reuse
- P370+P378: In case of fire: Use dry-sand, dry chemical, or alcohol-resistant foam for extinction
- P403+P235: Store in a well-ventilated area. Keep cool.
- P405: Store locked up
- P501: Dispose of contents/container to and approved waste disposal plan.

2.6. Hazards not otherwise classified (HNOC) or not covered by GHS: None

3. COMPOSITION/INFORMATION OR INGREDIENTS

Refer to components SDS

4. FIRST AID MEASURES

Refer to components SDS

5. FIRE FIGHTING MEASURES

Refer to components SDS

6. ACCIDENTAL RELEASE MEASURES

Refer to components SDS

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

- Avoid inhalation, contact with eyes, skin, and clothing.
- Keep in well-ventilated area
- Keep away from sources of ignition – No smoking.
- For other precautions see section 2.5.

7.2. Conditions for safe storage, including any incompatibilities	Store at 4 °C. Keep containers tightly closed in a dry and well-ventilated place. Containers which have been opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Refer to components SDS

9. PHYSICAL/CHEMICAL PROPERTIES
Refer to components SDS

10. STABILITY/REACTIVITY
Refer to components SDS

11. TOXICOLOGICAL INFORMATION
Refer to components SDS

12. ECOLOGICAL INFORMATION
Refer to components SDS

13. DISPOSAL CONSIDERATIONS
Refer to components SDS

14. TRANSPORT INFORMATION
Refer to components SDS

15. REGULATORY INFORMATION
U.S. Federal Regulations

• SARA 313 components	The following components are subject to reporting levels established by SARA Title III, Section 313: Methanol, CAS-No. 67-56-1, Revision Date: 2007-07-01 Formaldehyde, CAS-No. 50-00-0, Revision Date: 2007-07-01.
• SARA 302 components	The following components are subject to reporting levels established by SARA Title III, Section 302: Formaldehyde, CAS-No. 50-00-0, Revision Date: 2007-07-01
• SARA 311/312 Hazards	Fire hazard, Acute health hazard, Chronic health hazard
• Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61)	Does not contain any components subject to reporting.

U.S. State Regulations

• California Proposition 65	Does not contain any components subject to reporting.
• Massachusetts Right To Know Components	Formaldehyde, CAS-No. 50-00-0 Methanol, CAS-No. 67-56-1 Hydrochloric acid, CAS No. 7647-01-0.

• Pennsylvania Right To Know Components	Formaldehyde, CAS-No. 50-00-0 Methanol, CAS-No. 67-56-1 Disodium hydrogenorthoposphate, CAS-No. 7558-79-4 Sodium nitrite, CAS No. 7632-00-0 Hydrochloric acid, CAS No. 7647-01-0 2-Amino-2-methylpropane-1,3-diol, CAS No. 115-69-5 Diethylene glycol, CAS No. 111-46-6.
• New Jersey Right To Know Components	Formaldehyde, CAS-No. 50-00-0 Methanol, CAS-No. 67-56-1 Disodium hydrogenorthoposphate, CAS-No. 7558-79-4 Sodium nitrite, CAS No. 7632-00-0 Hydrochloric acid, CAS No. 7647-01-0 2-Amino-2-methylpropane-1,3-diol, CAS No. 115-69-5 Diethylene glycol, CAS No. 111-46-6.
WHMIS Hazard Class	D01A, D-2A,,D-2B, D-E, B-2A
Regulation (EC) No 1907/2006) Directive 67/548/EC & Directive 1999/45/EC	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. Refer to component SDS Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.

16. OTHER INFORMATION

Components	09-0042 Fix Solution 09-0043 AP Staining Solution A 09-0065 AP Staining Solution B 09-0066 AP Staining Solution C
Notice	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. REPROCELL, Inc. shall not be held liable for any damage resulting from handling or from contact with the product. See REPROCELL, Inc. website for terms and conditions of sale.
Preparation Date	11/20/2026
Version No.	4
Prepared By	Quality Control

END OF SAFETY DATA SHEET