



SAFETY DATA SHEET

Original Preparation Date: 11/06/15

SDS#: 0007765-01 Rev: A
Revision Date: n/a

1. Identification

Product identifier REF 9152
Product name Tissue-Tek® FormaGO® Formaldehyde Analysis Kit
2 x 25 mL Test Reagent (9152-001)
1 x 100 Test Strips (9152-002)

Other means of identification

Product code 9152

Recommended use For semi quantitative analysis of dilute formalin solution

Recommended restrictions not described

Manufacturer/Importer/Supplier/Distributor information

Manufacturer/Supplier Sakura Finetek USA Inc.

Address 1750 West 214th St.
Torrance, CA 90501

Telephone 1-310-972-7800

Emergency phone number CHEMTREC: 1-800-424-9300

Email SDSsupport@sakuraus.com

2. Hazard(s) identification


Physical hazards Test Reagent (9152-001)
Corrosive to metals (category 1)

Health hazards Skin corrosion (category 1A), Serious eye damage (category 1)

Environmental hazards Acute aquatic toxicity (category 3)

OSHA defined hazards Not classified

Label elements

Hazard symbol 

Signal word Danger

Hazard statement H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects

Precautionary statement P264 Wash skin thoroughly after handling.

Prevention P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face

Response P301 + P330 + P331
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340
IF INHALED: Remove victim to fresh air and keep at rest in a

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position comfortable for breathing.
P305 + P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse.

Storage P405 Store in corrosive resistant container such as stainless steel container with a resistant liner

Disposal P501 Dispose of contents/ container to an approved waste disposal plant.

Hazard(s) not otherwise classified (HNOC) None

3. Composition/information on ingredients/Mixtures

Chemical name	CAS number	%
Sodium hydroxide solution	1310-73-2	20-55
Cellulose	9004-34-6	1-10

4. First-aid measures

Inhalation After inhalation of foam or vapor fresh air should be inhaled. Keep airways free. If vomiting and if insensible place patient in recovery position and keep airways free. After inhalation of dust fresh air should be inhaled.

Skin contact Remove dust with wetted tissue. Remove contaminated clothing immediately. Rinse the affected skin or mucous membrane thoroughly for min. 15 minutes under running water.

Eye contact (If possible) use soap. Avoid neutralization. Then apply a loose bandage.
Rub dust with teardrops from eyes or: After contact with the eyes rinse thoroughly under running water with the eyelid wide open for min. 10 minutes with eye washing bottle, eye douche or running water (protect intact eye). Before (if possible) apply eye drops
Proxymetacaine 0.5%, if the opening the eyelid convulsion is painful. Further treatment to be carried out by an eye specialist.

Ingestion After oral intake lots of water with activated charcoal supplement should be drunk after it has been ingested. Do not induce vomiting under any circumstances. Do not make any efforts to neutralize it. Contact medical advice for possible consequences.

Indication of immediate medical attention and special treatment needed CORROSIVE DAMAGE: After SKIN CONTACT rinse with water for a long time. Efforts to neutralise the substance can frequently make matters worse. Apply glucocorticosteroides following inflammatory reactions. After EYE CONTACT rinse immediately with plenty of water for a long time. Eyelid convulsion measures. Name the corrosive chemical. Further treatment must to be carried out by an eye specialist. After INTAKE administer aluminium oxide drug suspensions. Administer a prophylaxis to counter pulmonary oedema following the INGESTION of corrosive aerosols. In the event of RESPIRATORY DISTRESSES ensure that the patient inhales oxygen.

5. Fire-fighting measures

Suitable extinguishing media Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

Specific hazards arising from the chemical Formation of hazardous and caustic vapour-air mixtures possible. Danger for environment **only in the event of a large-scale leakage** or formation of hazardous substances.

Firefighting equipment/instructions No, for listed product. Product package burns like paper or plastic. Spray any vapors released with water. Relent fire with water. Use only acid-resistant safety equipment.
For great amount - if necessary - protective breathing apparatus which is independent of the ambient air (isolated equipment), and sealed protective clothing is necessary in the event of a large-scale formation of toxic substances.

Specific methods Not available

General fire hazards Not available

6. Accidental release measures

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Personal precautions, protective equipment and emergency procedures

Wear suitable protective gloves (see 8.2.2). Wear eye protection, respectively face protection. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

Methods and materials for containment and cleaning up

Bind any escaping liquid with inert absorbent. And dispose in accordance to local regulations for the disposal of hazardous chemicals. Clean any contaminated equipment and floors with plenty of water.

Environmental precautions

Collect small amounts of leaked liquid and flush with water into drains not necessary

7. Handling and storage

Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

Conditions for safe storage, including any incompatibilities

The original product package of Sakura Finetek allows a safe storage. Storage class (TRGS510): Non-combustible, corrosive hazardous materials

Requirements for Stock Rooms and Containers

Keep original product packages tightly closed during handling and storage.

8. Exposure controls/personal protection

Occupational exposure limits | US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Sodium hydroxide solution	TWA	2 mg/m ³	
Cellulose	Not listed	Not listed	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Sodium hydroxide solution		2 mg/m ³	
Cellulose		Not listed	

Exposure guidelines

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice

Individual protection measures, such as personal protective equipment

Eye/face protection Yes, safety glasses according EN 166 with integrated side shields or wrap-around protection or face protection.

Skin protection Recommended to avoid clothing damage, and to avoid contamination with these hazards.

Hand protection Yes, gloves according EN 374 (permeation time >30 min - level 2), consist of PVC, natural latex, Neoprene, or Nitrile (flex. from Ansell or KCL). Use for short times chemical resistant latex gloves with code EN 374-3 level 1.

Respiratory protection Only if additional recommendations in test instruction or packing insert.

General hygiene considerations Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplaces is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled, and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating, and then apply protective skin cream.

9. Physical and chemical properties

25ml Test Reagent (9152-001)

Appearance

Physical state

Liquid

Color

Colorless

Odor

Odorless

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pH	14
Melting point/freezing point	Not available
Initial boiling point and boiling	Not available
Flash point	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit - upper (%)	Not available
Vapor pressure	Not available
Solubility (water)	soluble

100 test strips (9152-002)

Physical state	solid
Color	Colored
Odor	Odorless
Melting point/freezing point	Not applicable
Initial boiling point and boiling	Not applicable
Flash point	Not applicable
Flammability (solid, gas)	Not available
Flammability limit - upper (%)	Not available
Solubility (water)	Not available

10. Stability and reactivity

Reactivity	No data available
Chemical stability	No known instability
Possibility of hazardous reactions	No data available
Conditions to avoid	Avoid exposure to high temperature and humidity
Incompatible materials	Avoid contact with concentrated acids and oxidizing agents. Avoid contact with strong acids or alkalines.
Hazardous decomposition products	In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

11. Toxicological information**Information on likely routes of exposure**

Inhalation	No data available
Skin contact	No data available
Eye contact	No data available
Ingestion	No data available

Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	
Respiratory sensitization	No data available
Skin sensitization	No data available
Germ cell mutagenicity	No data available

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Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

12. Ecological information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. Disposal considerations

Disposal instructions	Offer surplus and non-recyclable solutions to a licensed disposal company.
Hazardous waste code	16 05 06
Contaminated packaging	Dispose of as unused product

14. Transport information

DOT	
UN number	3316
UN proper shipping name	Packing group: II Chemical kits
Class	9
IATA	
UN Number	3316
UN proper shipping name	Chemical Kit
Class	9
Packing group	II
IMDG	
UN number	3316
UN proper shipping name	CHEMICAL KIT
Class	9
Packing group	II
Marine pollutant	No
EmS	F-A, S-P

15. Regulatory information

Superfund Amendments and Reauthorization Act of 1986 (SARA):

SARA 302 Extremely hazardous substance	No chemicals in this kit are subject to the reporting requirements of SARA title III, Section 302.
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SARA 311/312 Hazardous chemical Acute Health Hazard

Chemical name	CAS number	% by wt.
Sodium hydroxide (50ml)	1310-73-2	20-25

16. Other federal regulations

US state regulations

US. Massachusetts RTK - Substance List

Sodium hydroxide CAS: 1310-73-2

US. New Jersey Worker and Community Right-to-Know Act

Sodium hydroxide CAS: 1310-73-2

Water CAS: 7732-18-5

US. Pennsylvania Worker and Community Right-to-Know Law

Sodium hydroxide CAS: 1310-73-2

Water CAS: 7732-18-5

US. California Proposition 65

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.

16. Other information, including date of preparation or last revision

Issue date 11/06/15
Revision date n/a
Revision # A

HMIS® ratings

Health: 3
Flammability: 0
Physical hazard: 1

NFPA rating



Disclaimer Sakura Finetek USA, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.