



# MATERIAL SAFETY DATA SHEET

(In accordance with ISO 11014-1 Standard)

Product Name: Tissue-Tek<sup>®</sup> NEUTRALEX<sup>®</sup> ALDEHYDE TEST KIT<sup>™</sup>

Revision Date: 2008-12-01

## 1. Identification of the Substance

**Product Name:** Tissue-Tek<sup>®</sup> NEUTRALEX<sup>®</sup> ALDEHYDE TEST KIT<sup>™</sup> – (product code #4050)

**Manufactured For:** Sakura Finetek USA, Inc.  
Torrance, CA 90501 USA  
**Tel: 310-972-7800**

**Emergency Telephone Number:**  
**800-424-9300 (Chemtrec)**

## 2. Composition/Data on Components

Sodium Hydroxide	30%	CAS no. 1310-73-2
Water	70%	CAS no. 7732-18-5

## 3. Hazards Identification

<b>NFPA Hazard Rating</b>	<b>NFPA Rating Scale</b>
Health: 3	Insignificant: 0
Flammability: 0	Slight: 1
Reactivity: 0	Moderate: 2
	High: 3
	Extreme: 4

## 4. First Aid Measures

**Ingestion:** Do not induce vomiting. If conscious, give water.

**Inhalation:** The patient should be transported away from exposure and brought to fresh air. If necessary administer CPR, keep warm and quiet. Seek immediate medical attention.

**Eye Contact:** Flush eyes immediately with water for 10 - 15 minutes. If burning persists, seek medical care.

**Skin Contact:** Contaminated clothing should be removed immediately. The affected body areas should be flushed with water for a period of approximately 15 minutes. If symptoms persist, seek medical attention.

## 5. Fire Fighting Measures

**Flash Point:** Noncombustible

**Explosive Limit:** N/A

**Extinguishing Methods:** Water fog, regular foam, dry chemicals, or carbon dioxide

**Fire Fighting Procedures:** Wear self-contained breathing apparatus with full body protection

**Fire & Explosion Hazards:** On contact with light metals (Al, Sn, Zn) hydrogen gas can be produced which is explosive

## 6. Accidental Release Measures

**Small and Large Spills:** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under exposure/personal protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source if this can be done without risk. Take up and containerize for proper disposal as described under disposal. Comply with Federal, State, and Local regulations on reporting releases. Refer to regulatory information for reporting quantity and other regulatory data.

## 7. Handling and Storage

Keep container closed.

Store in a cool, dry area.

Do not breathe solution mist.

Do not get in eyes, on skin, or on clothing.

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### **8. Exposure Controls/Personal Protection**

**Engineering Controls and Personal Protective Equipment:** Ventilation, respiratory protection, protective clothing, eye protection. Material should be handled or transferred in an approved fume hood or with adequate ventilation. Protective gloves must be worn to prevent skin contact (neoprene or equivalent). Safety glasses with side shields must be worn at all times. Impervious protective clothing should be worn to prevent skin contact.

**Respiratory Protection:** If workplace exposure limit(s) of product or any component is exceeded (see TVL/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering and/or administrative controls should be implemented to reduce exposure.

**Work / Hygienic practices:** Wash thoroughly after handling. Do not take internally. Eye wash and other safety equipment should be readily available.

### **9. Physical and Chemical Properties**

Boiling Point \_\_\_\_\_ N/A

Specific Gravity \_\_\_\_\_ N/A

Vapor Density \_\_\_\_\_ N/A

Percent Volatile by Volume \_\_\_\_\_ N/A

Vapor Pressure \_\_\_\_\_ N/A

Appearance \_\_\_\_\_ Colorless liquid

### **10. Stability and Reactivity**

**Stability:** Stable

**Hazardous Polymerization:** Does not occur

**Incompatibility:** Avoid contact with strong mineral acids, aluminum, tin, zinc, and ammonium salts.

### **11. Toxicological Information**

#### **Toxic Data:**

(For concentrated NaOH)

ORL - RBT LD<sub>10</sub>: 500 mg/Kg

**Toxicological Findings:** None

Cited in registry of toxic effects of substances (RTECS)

### **12. Ecological Information**

None

### **13. Advice on Disposal**

**EPA waste numbers:** D002

**Treatment:** Specified Technology - Neutralize to pH greater than 6. Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact a permitted waste disposal site (TSD) to assure compliance with all current local, state and federal regulations.

### **14. Transport Information**

DOT proper shipping name: Sodium Hydroxide solution

DOT ID number: UN1824

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### **15. Regulatory Information**

TSCA Statement: This product is a "mixture", the CAS number of all components are listed on the TSCA inventory.

Component	SARA EHS (302)	SARA EHS TPQ (lbs)	CERCLA RQ (lbs)
Sodium Hydroxide			1000
Water			
Component	OSHA Floor List	SARA 313	Deminimis for SARA 313 (%)
Sodium Hydroxide	Y		
Water			

### **16. Other Information**

This Material Safety Data Sheet has been furnished on request. A revised Material Safety Data Sheet will be furnished only if requested, also in case of specification changes. The above information, which is accurate to the best of our knowledge and belief, describes the safety aspects of our product but does not warrant any product properties. The company gives no warranty as to the accuracy or completeness of such information.