



**SAFETY DATA SHEET**

**1: IDENTIFICATION**

**Catalog Number/Product Name:** KF4012, KF4080 / Identicult AE Test Kit

**Other Common Names:** None

**Recommended Use/Restrictions:** For in-vitro diagnostic use only by trained professionals.

**Manufacturer/Supplier:**

Key Scientific Products  
1113 East Reynolds Street  
Stamford, TX 79553

Phone Number: 1-800-843-1539  
Emergency Phone Number: CHEMTREC 800-424-9300

**2: HAZARD(S) IDENTIFICATION**

**(a) Classification of the chemical:**

Paper Cards	Non Hazardous	
Reagent # 1	Non Hazardous	
Reagent # 2	Category 2	Skin corrosion/irritation
	Category 1	Serious eye damage / eye irritation

**(b) Signal word:** Danger

**(c) Hazard statement(s):** **Reagent # 2 ONLY**  
Causes skin irritation  
Causes serious eye damage

**(d) Pictogram(s):** Reagent # 2 ONLY



**(e) Precautionary statement(s):**

**Prevention** Wash face, hands and exposed skin thoroughly after handling.  
Wear protective gloves, lab coat, safety glasses.  
Do not eat, drink or smoke while using this product.

**Response** If Reagent # 2 is splashed in eyes, rinse with water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical assistance if irritation persists.  
If on skin, wash with soap and water. If irritation occurs seek medical assistance.  
Remove contaminated clothing and wash thoroughly before reuse.

**(f) Describe any hazards not otherwise classified that have been identified during the classification process:** None

(g) Where an ingredient with unknown acute toxicity is used in a mixture at a concentration  $\geq 1\%$  and the mixture is not classified based on testing of the mixture as a whole, a statement that X% of the mixture consists of ingredient(s) of unknown acute toxicity is required.

**3: COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Name	Common Name/Synonym	CAS Number	Concentration (%)
Hydrochloric Acid	HCl in Reagent # 2	7647-01-1	3 % in water.
p-dimethyl amino cinnamaldehyde	None - Non Hazardous (Reagent # 2)	6203-18-5	1 % in water.

**4: FIRST-AID MEASURES**

**(a) Routes of Exposure: Reagent # 2 ONLY**

**Eyes:** If in eyes, rinse with water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical assistance if necessary.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek medical assistance.

**Inhalation:** Remove victim to fresh air and call a physician if necessary.

**Skin:** If on skin, wash with soap and water. If irritation occurs seek medical assistance.

**(b) Important symptoms/effects (acute and delayed):** Causes skin irritation and serious eye damage.

**(c) Indication of immediate medical attention and special treatment needed:** Physician – treat symptomatically.

**5: FIRE-FIGHTING MEASURES**

**(a) Suitable (and unsuitable) extinguishing media:** Use water spray, CO<sub>2</sub>, dry chemical or polymer foam.

**(b) Specific hazards arising from the chemical:** No data available. Non-flammable. Non-combustible.

**(c) Special protective equipment and precautions for fire-fighters:** Use self-contained breathing apparatus.

**6: ACCIDENTAL RELEASE MEASURES**

**(a) Personal precautions, protective equipment, and emergency procedures:** Use personal protective equipment as necessary. Packaging limits spill and contact hazard. Keep unprotected individuals away from the area.

**(b) Methods and materials for containment and cleaning up:** If spilled, prevent further leakage if safe to do so. Ventilate area. Absorb leak or spill with inert material such as sand, soda ash or vermiculite. Dispose of in accordance with federal, state and local regulations.

**7: HANDLING AND STORAGE**

**(a) Precautions for safe handling:** Wash thoroughly after handling. Use PPE when necessary. Do not eat, drink or smoke when using this product. Do NOT breathe mists/fumes/vapors (Reagent # 2). Use only in well ventilated area.

**(b) Conditions for safe storage:** Follow storage directions on package label and technical insert.

**8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**(a) OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
HCl 7647-01-0	Ceiling: 2 ppm	Ceiling: 5 ppm Ceiling: 7 mg/m3	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m3

**(b) Appropriate engineering controls:** Keep container tightly closed. Protect against physical damage to packaging. Store in refrigerator. Apply measures to comply with occupational exposure limits. Eye bath. Shower.

**(c) Individual protection measures, such as personal protective equipment:**

**Eye Contact:** Safety Glasses

**Ingestion:** Do not eat, drink or smoke when using this product.

**Inhalation:** Ensure adequate ventilation, especially in confined areas.

**Skin Contact:** Wear PPE as necessary.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

	Test Strips	Buffer Reagent # 1	Color Reagent # 2
<b>Appearance: Physical State:</b>	Paper Strip	Clear, foamy liquid	Clear Liquid
<b>Color:</b>	White	Colorless	Yellow-Orange
<b>Odor:</b>	None	None	None
<b>Odor Threshold:</b>	Not determined	Not determined	Not determined
<b>pH:</b>	Not determined	Not determined	Not determined
<b>Melting Point/Freezing Point:</b>	Not determined	Not determined	Not determined
<b>Boiling Point/Boiling Range:</b>	Not determined	Not determined	Not determined
<b>Flash Point:</b>	Not determined	Not determined	Not determined
<b>Evaporation Rate:</b>	Not determined	Not determined	Not determined
<b>Flammability:</b>	Not determined	Not determined	Not determined
<b>Upper and Lower Flammability/Explosive Limits:</b>	Not determined	Not determined	Not determined
<b>Vapor Pressure:</b>	Not determined	Not determined	Not determined
<b>Vapor Density:</b>	Not determined	Not determined	Not determined
<b>Relative Density:</b>	Not determined	Not determined	Not determined
<b>Solubility:</b>	Card Substrate soluble in Methanol	Water	Water
<b>Partition coefficient (n-octanol/water):</b>	Not determined	Not determined	Not determined
<b>Auto-ignition Temperature:</b>	Not determined	Not determined	Not determined
<b>Decomposition Temperature:</b>	Not determined	Not determined	Not determined
<b>Viscosity:</b>	Not determined	Not determined	Not determined

**10: STABILITY AND REACTIVITY**

**(a) Reactivity:** Non-reactive under normal conditions.

**(b) Chemical stability:** Stable under recommended storage conditions.

**(c) Possibility of hazardous reactions:** None under normal conditions.

**(d) Conditions to avoid (e.g., static discharge, shock, or vibration):** Keep away from children. Do not expose to acids, oxidizers, acid chlorides and acid anhydrides (Reagent # 2).

**(e) Incompatible materials:** Strong oxidizing agents (Reagent # 2)

**(f) Hazardous decomposition products:** Not determined.

**11: TOXICOLOGICAL INFORMATION**

Description of the various toxicological (health) effects and the available data used to identify those effects, including:

**(a) Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):** Inhalation, ingestion, skin and eye contact (Reagent # 2)

**(b) Symptoms related to the physical, chemical and toxicological characteristics:** Skin irritation, serious eye damage. (Reagent # 2)

**(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure:** Not known.

**(d) Numerical measures of toxicity (such as acute toxicity estimates):** Not known.

**(e) Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA. Not applicable.**

**12: ECOLOGICAL INFORMATION**

**Toxicity:** No data available.  
**Results of PBT & vPvB assessment:** No data available  
**Persistence & degradability:** No data available  
**Mobility in soil:** No data available  
**Bioaccumulative potential:** No data available  
**Other adverse effects:** No data available

**13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Disposal should be in accordance with national, regional and local laws and regulations. Disposal (Reagent # 2) must be in accordance with regulation 40 CFR 261.

**14: TRANSPORT INFORMATION - Reagent # 2 ONLY**

**DOT Hazard Class:** Class 8 Corrosive Material  
**Shipping Name:** Hydrochloric Acid  
**Identification Number:** UN 1789  
**Packing Group:** II

**15: REGULATORY INFORMATION**

	YES / NO
<b>Carcinogenicity:</b>	
<b>NTP:</b>	No
<b>IARC:</b>	No
<b>OSHA:</b>	No
<b>California Prop 65:</b>	No
<b>IATA:</b>	No

**16: OTHER INFORMATION**

The above information, to the best of our knowledge, is accurate. Key Scientific Products assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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