

# MATERIAL SAFETY DATA SHEET



Conforms to 93/112/EC and ISO 11014-1

## 1. Chemical Product and Company Identification

**Product Name:** Hydrogen Peroxide Assay Kit -  
Reagent A

**Product Number:** CL-204A

### Chemical Names/

#### Description:

Aqueous solution of sorbitol and xylenol orange

### Manufacturer

National Diagnostics  
305 Patton Drive  
Atlanta, GA 30338

### Telephone Numbers

(800) 526-3867  
(404) 699-2121

### Emergency Number

Chemtrec  
(800) 424-9300

## 2. Composition/Information on Ingredients

Component	% Comp.	CAS #	EINECS #
SORBITOL	2%	50-70-4	

### Extinguishing media

Use media appropriate to the primary cause of fire.

### Protective Equipment

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### Hazardous Combustion Products

Thermal decomposition products may include carbon monoxide, carbon dioxide, and hydrocarbons.

### Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

NFPA Codes: Health 1 Flammability 0 Reactivity 0

## 6. Accidental Release Measures

### Steps to be taken in case material is released or spilled

Contain and clean up spill immediately, prevent from entering floor drains. Contain liquids using absorbents. Shovel all spill materials into disposal drum. Scrub spill area with detergent, flush with copious amounts of water.

### Waste Disposal Method

Disposal must be made in accordance with applicable federal, state, and local regulations.

### Personal Precautions

If water solvent has evaporated, wear NIOSH approved air-purifying respirator.

## 7. Handling and Storage

### Handling

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

### Storage

Keep in a tightly closed container, stored in a cooled, dry, ventilated area.

### Storage Temperature

Room Temperature

### Disposal

Observe all national, state, and local regulations regarding disposal.

## 8. Exposure Controls/Personal Protection

### Airborne Exposure Limits

Component: SORBITOL

ACGIH Threshold Limit Value (TLV): None established

OSHA Permissible Exposure Limit

(PEL):

Component: XYLENOL ORANGE

ACGIH Threshold Limit Value (TLV): None established

OSHA Permissible Exposure Limit

(PEL): None established

### Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborn Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

### Respiratory Protection

For conditions of use where exposure to the dust or mist is apparent, a full-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

### Eye Protection

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

### Skin Protection

Wear protective gloves and clean body covering clothing.

### Other Control Measures

none

## 9. Physical Properties

<b>Boiling point</b>	212 F	<b>Evaporation Rate</b>	1.0
<b>Melting point</b>	N.A.	<b>Solubility in water</b>	Very soluble

<b>Vapor pressure (mmHg)</b>	N.A.	<b>pH</b>	not available
<b>Vapor density (Air = 1)</b>	N.A.	<b>Specific gravity (H2O = 1)</b>	1.0
<b>% volatile by volume</b>	aqueous		

## 10. Stability and Reactivity

### Stability

Stable under normal conditions of use.

### Conditions to Avoid

Keep from contact with oxidizing materials.

### Hazardous Decomposition Products

Not available.

### Hazardous Polymerization

Will not occur

### Incompatibles

SORBITOL:

Oxidizers, sulfuric acid and nitric acid.

XYLENOL ORANGE:

Strong oxidizing agents, strong reducing agents.

## 11. Toxicological Information

### Product LD50 Values

Hydrogen Peroxide Assay Kit  
- Reagent A      Oral Rat LD50 (mg/kg):      > 100000

Hydrogen Peroxide Assay Kit  
- Reagent A      Dermal Rabbit LD50 (mg/kg): No Data

### Component Cancer List Status

	NTP Carcinogen		IARC Category
	Known	Anticipated	
SORBITOL	No	No	None
XYLENOL ORANGE	No	No	None

## 12. Ecological Information

### SORBITOL

No information found.

### XYLENOL ORANGE

No information found.

## 13. Disposal Considerations

Observe all national, state, and local regulations regarding disposal.

## 14. Transport Information

**D.O.T.**

Proper Shipping Name: not regulated

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

**I.A.T.A.**

Proper Shipping Name: not regulated

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

**I.M.O.**

Proper Shipping Name: not regulated

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

**15. Regulatory Information****United States****TSCA Regulatory Statement**

All intentional ingredients are listed on the TSCA Inventory.

**SARA 311/312 Hazard Categories**

Component	Fire	Pressure	Reactivity	Acute	Chronic
SORBITOL	Yes	No	No	No	No
XYLENOL ORANGE	NA	NA	NA	NA	NA

**Europe****EEC Regulatory**

All intentional ingredients are listed on the European EINECS Inventory.

**16. Other Information****NFPA Codes: Health 1 Flammability 0 Reactivity 0**

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