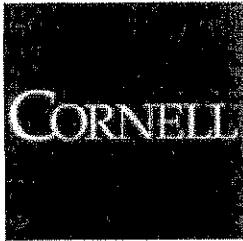


#50299


**Material Safety  
Data Sheets**
Division of Facilities Services

## DOD Hazardous Material Information (ANSI Format) For Cornell University Convenience Only

### 74-6435, HYDROGEN PEROXIDE 3%

Section 1 - Product and Company Identification	Section 9 - Physical & Chemical Properties
Section 2 - Composition/Information on Ingredients	Section 10 - Stability & Reactivity Data
Section 3 - Hazards Identification Including Emergency Overview	Section 11 - Toxicological Information
Section 4 - First Aid Measures	Section 12 - Ecological Information
Section 5 - Fire Fighting Measures	Section 13 - Disposal Considerations
Section 6 - Accidental Release Measures	Section 14 - MSDS Transport Information
Section 7 - Handling and Storage	Section 15 - Regulatory Information
Section 8 - Exposure Controls & Personal Protection	Section 16 - Other Information

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### Section 1 - Product and Company Identification 74-6435, HYDROGEN PEROXIDE 3%

**Product Identification:** 74-6435, HYDROGEN PEROXIDE 3%  
**Date of MSDS:** 01/02/1998 **Technical Review Date:** 09/08/2000  
**FSC:** 6640 **NIIN:** LIIN: 00T711495  
**Submitter:** D DG  
**Status Code:** A  
**MFN:** 01  
**Article:** N  
**Kit Part:** Y

**Manufacturer's Information**

**Manufacturer's Name:** CAROLINA BIOLOGICAL SUPPLY CO  
**Manufacturer's Address1:** 2700 YORK RD  
**Manufacturer's Address2:** BURLINGTON, NC 27215-3387  
**Manufacturer's Country:** US  
**General Information Telephone:** 800-227-1150  
**Emergency Telephone:** 800-424-9300  
**Other Number for MSDS Information:** N/P  
**Emergency Telephone:** 800-424-9300  
**MSDS Preparer's Name:** UNKNOWN  
**Chemtec Telephone:** (800)424-9300  
**Proprietary:** N  
**Reviewed:** Y  
**Published:** Y  
**CAGE:** 59896

**Contractor Information**

**Contractor's Name:** CAROLINA BIOLOGICAL SUPPLY CO  
**Contractor's Address1:** 2700 YORK RD  
**Contractor's Address2:** BURLINGTON, NC 27215-3387  
**Contractor's Telephone:** 800-227-1150/910-584-0381  
**Contract Number:** MDA414-98-P-4739  
**Contractor's CAGE:** 59896

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**Section 2 - Composition/Information on Ingredients**  
**74-6435, HYDROGEN PEROXIDE 3%**

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**Ingredient Name:** HYDROGEN PEROXIDE  
**Ingredient CAS Number:** 7722-84-1 **Ingredient CAS Code:** T  
**RTECS Number:** MX0899000 **RTECS Code:** T  
**=WT:** 3. **=WT Code:** M  
**=Volume:** **=Volume Code:**  
**>WT:** **>WT Code:**  
**>Volume:** **>Volume Code:**  
**<WT:** **<WT Code:**  
**<Volume:** **<Volume Code:**  
**% Low WT:** **% Low WT Code:**  
**% High WT:** **% High WT Code:**  
**% Low Volume:** **% Low Volume Code:**  
**% High Volume:** **% High Volume Code:**  
**% Text:**  
**% Environmental Weight:**  
**Other REC Limits:** N/P  
**OSHA PEL:** 1.4 MG/M3;1 PPM **OSHA PEL Code:** T  
**OSHA STEL:** N/P **OSHA STEL Code:**  
**ACGIH TLV:** 1.4 MG/M3;1 PPM **ACGIH TLV Code:** T  
**ACGIH STEL:** NOT ESTABLISHED **ACGIH STEL Code:** T  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**

Ozone Depleting Chemical: N

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**Section 3 - Hazards Identification, Including Emergency Overview**  
**74-6435, HYDROGEN PEROXIDE 3%**

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**Health Hazards Acute & Chronic:** TARGET ORGANS: EYES, SKIN, MUCOUS MEMBRANES, RESPIRATORY SYSTEM. EYE: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE GASTROINTESTINAL DISCOMFORT. INHALATION: MAY CAUSE IRRITATION TO RESPIRATORY TRACT.

**Signs & Symptoms of Overexposure:**

ACUTE: EYE: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE CHRONIC: NONE IDENTIFIED. GASTROINTESTINAL DISCOMFORT. INHALATION: MAY CAUSE IRRITATION TO RESPIRATORY TRACT.

**Medical Conditions Aggravated by Exposure:**  
NONE IDENTIFIED.

**LD50 LC50 Mixture:** LD-50 ORAL RAT: 1518 MG/KG

**Route of Entry Indicators:**

**Inhalation:** YES

**Skin:** YES

**Ingestion:** YES

**Carcinogenicity Indicators**

**NTP:** N/P

**IARC:** N/P

**OSHA:** N/P

**Carcinogenicity Explanation:** N/P

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**Section 4 - First Aid Measures**  
**74-6435, HYDROGEN PEROXIDE 3%**

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**First Aid:**

EYE: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. RAISING & LOWERING EYELIDS. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: THOROUGHLY WASH EXPOSED AREA FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INGEST: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE PLENTY OF WATER & CALL PHYSICIAN OR POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALE: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT, GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP PERSON WARM & QUIET, GET MEDICAL ATTENTION.

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**Section 5 - Fire Fighting Measures**  
**74-6435, HYDROGEN PEROXIDE 3%**

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**Fire Fighting Procedures:**

FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE EQUIPMENT AND NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

**Unusual Fire or Explosion Hazard:**

STRONG OXIDIZER. CONTACT WITH COMBUSTIBLE MATERIALS, FLAMMABLE MATERIALS, OR POWDERED METALS CAN CAUSE FIRE OR EXPLOSION.

**Extinguishing Media:**

USE MEDIA SUITABLE TO EXTINGUISH SURROUNDING FIRE.

**Flash Point:** Flash Point Text: N/A

**Autoignition Temperature:**

Autoignition Temperature Text: N/A

Lower Limit(s): N/A

Upper Limit(s): N/A

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**Section 6 - Accidental Release Measures**

74-6435, HYDROGEN PEROXIDE 3%

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**Spill Release Procedures:**

VENTILATE AREA OF SPILL. ELIMINATE ALL SOURCES OF IGNITION. REMOVE ALL NON-ESSENTIAL PERSONNEL FROM AREA. CLEAN UP PERSONNEL SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND CLOTHING. ABSORB MATERIAL WITH SUITABLE ABSORBANT AND CONTAINERIZE FOR DISPOSAL.

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**Section 7 - Handling and Storage**

74-6435, HYDROGEN PEROXIDE 3%

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**Handling and Storage Precautions:**

**Other Precautions:**

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**Section 8 - Exposure Controls & Personal Protection**

74-6435, HYDROGEN PEROXIDE 3%

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**Respiratory Protection:**

A NIOSH/MSHA CHEMICAL CARTRIDGE RESPIRATOR SHOULD BE WORN IF PEL OR TLV IS EXCEEDED.

**Ventilation:**

LOCAL AND MECHANICAL: YES.

**Protective Gloves:**

RUBBER, NEOPRENE, PVC, OR EQUIVALENT.

**Eye Protection:** SPLASH PROOF CHEMICAL SAFETY GOGGLES.

**Other Protective Equipment:** LAB COAT, EYE WASH AND SAFETY SHOWER.

**Work Hygienic Practices:** LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Health & Safety Information:** PRODUCT CODES: 86-8093, 84-0622, 74-6435, 74-6430, 74-6432, 15-4719, VARIOUS SIZES. \*\*\*\*74-6435 ENZYME CATALYSIS REPLACEMENT SET (1 OF 4)\*\*\*\*.

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**Section 9 - Physical & Chemical Properties**

74-6435, HYDROGEN PEROXIDE 3%

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HCC: C1

NRC/State License Number: N/P

Net Property Weight for Ammo: N/P

Boiling Point: =106.C, 222.8F Boiling Point Text:

Melting/Freezing Point: =-28.C, -18.4F Melting/Freezing Text:

Decomposition Point: Decomposition Text: N/P

Vapor Pressure: 23.3 Vapor Density: N/A

Percent Volatile Organic Content:

Specific Gravity: 1.11

Volatile Organic Content Pounds per Gallon:

pH: N/P

Volatile Organic Content Grams per Liter:

Viscosity: N/P

Evaporation Weight and Reference: >1

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR, COLORLESS LIQUID. PUNGENT ODOR

Percent Volatiles by Volume: 100%

Corrosion Rate: N/P

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**Section 10 - Stability & Reactivity Data**  
**74-6435, HYDROGEN PEROXIDE 3%**

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Stability Indicator: NO

Materials to Avoid:

COMBUSTIBLE MATERIALS, STRONG REDUCING AGENTS, MOST COMMON METALS, ORGANIC MATERIALS, METALLIC SALTS, ALKALIES, POROUS MATERIALS, ESP. WOOD, ASBESTOS, SOIL, RUST, STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:

HEAT.

Hazardous Decomposition Products:

NONE IDENTIFIED.

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

N/P

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**Section 11 - Toxicological Information**  
**74-6435, HYDROGEN PEROXIDE 3%**

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Toxicological Information:

TOXICITY DATA: ORAL-RAT LD50 FOR HYDROGEN PEROXIDE 1518 MG/KG.

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**Section 12 - Ecological Information**  
**74-6435, HYDROGEN PEROXIDE 3%**

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Ecological Information:

EPA WASTE NUMBERS: D001, D002 (IGNITABLE, CORROSIVE WASTE).

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**Section 13 - Disposal Considerations**  
**74-6435, HYDROGEN PEROXIDE 3%**

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Waste Disposal Methods:

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REDERAL, STATE, AND LOCAL

REGULATIONS. ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE.

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**Section 14 - MSDS Transport Information**  
**74-6435, HYDROGEN PEROXIDE 3%**

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**Transport Information:**  
NON-REGULATED.

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**Section 15 - Regulatory Information**  
**74-6435, HYDROGEN PEROXIDE 3%**

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**SARA Title III Information:**  
HAZARD CATEGORY FOR SARA SECTION 311/312 REPORTING: ACUTE, CHRONIC, FLAMMABILITY.

**Federal Regulatory Information:**  
EPA TSCA STATUS: ON TSCA INVENTORY.

**State Regulatory Information:**  
N/P

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**Section 16 - Other Information**  
**74-6435, HYDROGEN PEROXIDE 3%**

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**Other Information:**  
EMERGENCY OVERVIEW: DANGER. CAUSES BURNS. HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE EYE INJURY. EFFECTS MAY BE DELAYED. STRONG OXIDIZER. CONTACT WITH COMBUSTIBLE MATERIALS, FLAMMABLE MATERIALS CAN CAUSE FIRE OR EXPLOSION.

**HMIS Transportation Information**

**Product Identification:** 74-6435, HYDROGEN PEROXIDE 3%  
**Transportation ID Number:** 154623  
**Responsible Party CAGE:** 59896  
**Date MSDS Prepared:** 01/02/1998  
**Date MSDS Reviewed:** 09/08/2000  
**MFN:** 09/08/2000  
**Submitter:** D DG  
**Status Code:** A

**Container Information**  
**Unit of Issue:** NK  
**Container Quantity:** NK  
**Type of Container:**  
**Net Unit Weight:**

**Article without MSDS:** N  
**Technical Entry NOS Shipping Number:**  
**Radioactivity:**  
**Form:**  
**Net Explosive Weight:**  
**Coast Guard Ammunition Code:**  
**Magnetism:**

AF MMAC Code:  
DOD Exemption Number: N/A  
Limited Quantity Indicator: N  
Multiple Kit Number: 0  
Kit Indicator: N  
Kit Part Indicator: Y  
Review Indicator: Y  
Additional Data:

#### Department of Transportation Information

DOT Proper Shipping Name: SULFURIC ACID  
DOT PSN Code: NUE  
Symbols:  
DOT PSN Modifier: WITH NOT MORE THAN 51 PERCENT ACID  
Hazard Class: 8  
UN ID Number: UN2796  
DOT Packaging Group: II  
Label: CORROSIVE  
Special Provision(s): A3,A7,B2,B15,N6,N34,T9,T27  
Packaging Exception: 154  
Non Bulk Packaging: 202  
Bulk Packaging: 242  
Maximum Quantity in Passenger Area: 1 L  
Maximum Quantity in Cargo Area: 30 L  
Stow in Vessel Requirements: B  
Requirements Water/Sp/Other:

#### IMO Detail Information

IMO Proper Shipping Name: SULPHURIC ACID  
IMO PSN Code: OFF  
IMO PSN Modifier: ,WITH NOT MORE THAN 51% ACID  
IMDG Page Number: 8230  
UN Number: 2796  
UN Hazard Class: 8  
IMO Packaging Group: II  
Subsidiary Risk Label: -  
EMS Number: 8-06  
Medical First Aid Guide Number: 700

#### IATA Detail Information

IATA Proper Shipping Name: SULPHURIC ACID  
IATA PSN Code: XIY  
IATA PSN Modifier: WITH NOT MORE THAN 51% ACID  
IATA UN Id Number: 2796  
IATA UN Class: 8  
Subsidiary Risk Class:  
UN Packaging Group: II  
IATA Label: CORROSIVE  
Packaging Note for Passengers: 809  
Maximum Quantity for Passengers: 1L  
Packaging Note for Cargo: 813  
Maximum Quantity for Cargo: 30L

**Exceptions:****AFI Detail Information****AFI Proper Shipping Name:** SULFPHURIC ACID**AFI Symbols:****AFI PSN Code:** XJA**AFI PSN Modifier:** NOT MORE THAN 51% ACID**AFI UN Id Number:** UN2796**AFI Hazard Class:** 8**AFI Packing Group:** II**AFI Label:****Special Provisions:** P5, A3, A7, N6, N34**Back Pack Reference:** A12.3**HAZCOM Label Information****Product Identification:** 74-6435, HYDROGEN PEROXIDE 3%**CAGE:** 59896**Assigned Individual:** N**Company Name:** CAROLINA BIOLOGICAL SUPPLY CO**Company PO Box:****Company Street Address1:** 2700 YORK RD**Company Street Address2:** BURLINGTON, NC 27215-3387 US**Health Emergency Telephone:** 800-424-9300**Label Required Indicator:** Y**Date Label Reviewed:** 09/07/2000**Status Code:** A**Manufacturer's Label Number:****Date of Label:****Year Procured:** N/K**Organization Code:** F**Chronic Hazard Indicator:** N**Eye Protection Indicator:** YES**Skin Protection Indicator:** YES**Respiratory Protection Indicator:** YES**Signal Word:** CAUTION**Health Hazard:** Slight**Contact Hazard:** Slight**Fire Hazard:** None**Reactivity Hazard:** Slight

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