

# MSDS

# Material Safety Data Sheet



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## Hydrogen Peroxide, 3%

### SECTION 1 PRODUCT IDENTIFICATION

NAME: Hydrogen Peroxide, 3%  
EKI ORDER NUMBERS: 4740, 4741  
SYNONYMS: N/A  
CAS NO: N/A  
FORMULA: N/A  
REVISION DATE: 22 April 2004

### SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT	CAS NO	OSHA PEL	ACGIH TLV
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Hydrogen Peroxide	7722-84-1	1 ppm TWA	1 ppm TWA

### SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Complete (100%)  
BOILING POINT: N/A  
VAPOR PRESSURE: N/A  
VAPOR DENSITY: N/A  
SPECIFIC GRAVITY: 1.01 (H<sub>2</sub>O=1)  
MELTING POINT: N/A  
EVAPORATION RATE: N/A  
APPEARANCE AND ODOR: Clear, colorless liquid. Slightly acrid odor.

### SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT: N/A  
FLAMMABLE LIMITS (UPPER AND LOWER): N/A  
EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None identified.

### SECTION 5 REACTIVITY DATA

STABILITY: Stable.  
CONDITIONS TO AVOID: Light, heat.  
MATERIALS TO AVOID: Ammonia, carbonates, organic materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None identified.

HAZARDOUS POLYMERIZATION: Will not occur.

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## SECTION 6 HEALTH HAZARD DATA

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ROUTES OF ENTRY: Eye contact, skin contact, ingestion, inhalation, absorption.

HEALTH HAZARDS (ACUTE AND CHRONIC): None identified.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None identified.

CARCINOGENICITY: None identified.

### \*\*\*\*FIRST AID PROCEDURES\*\*\*\*

EYES: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes.

INHALATION: If a person breathes large amounts, remove to fresh air.

INGESTION: If swallowed and the person is conscious, immediately give large amounts of water. CALL A PHYSICIAN.

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## SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Wear self-contained breathing apparatus and full protective clothing. Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush area with water.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state and local environmental regulations.

OTHER PRECAUTIONS: Keep container tightly closed. Suitable for any general chemical storage area.

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## SECTION 8 CONTROL MEASURES

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VENTILATION: Use adequate general or local exhaust ventilation to meet TLV requirements.

RESPIRATORY PROTECTION: Respiratory protection required if airborne concentration exceeds TLV. At concentrations up to 1 ppm, a dust/mist respirator is recommended. Above this level, a self-contained breathing apparatus is advised.

EYE PROTECTION: Safety goggles.

GLOVES: Proper gloves are recommended.

OTHER PROTECTIVE CLOTHING: Uniform, apron.

WORK HYGIENE PRACTICES: Depending on usage, protective clothing including eye and face guards and respirators should be used to avoid contact with material or breathing chemical vapors/fumes.

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