

MATERIAL SAFETY DATA SHEET

MSDS DATE:08/16/07

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HYDROGEN PEROXIDE 30 %

SYNONYMS: HYDROGEN PEROXIDE 30%

PRODUCT CODES: 16790

MANUFACTURER: ELECTRON MICROSCOPY SCIENCES

DIVISION: 1560 INDUSTRY ROAD/P.O. BOX 550

ADDRESS: HATFIELD, PA 19440

EMERGENCY PHONE: 215-412-8400

CHEMTREC PHONE: 800-424 -9300

FAX PHONE: 215-412-8450

CHEMICAL NAME: N/A

CHEMICAL FAMILY: (OXIDIZING AGENT)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

WATER

HYDROGEN PEROXIDE

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
7732-18-5	70	N/A	
7722-84-1	30	N/A	
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	N/A	1	
OSHA PEL STEL :	N/A	2	
OSHA PEL CEILING:	N/A	N/A	
ACGIH TLV-TWA:	N/A	N/A	
ACGIH TLV STEL:	N/A	N/A	
ACGIH TLV CEILING:	N/A	N/A	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: SKIN, EYES, INHALATION, INGESTION

POTENTIAL HEALTH EFFECTS

EYES: VERY HAZARDOUS IN CASE OF EYE CONTACT (IRRITANT). LIQUID OR SPRAY MIST MAY PRODUCE TISSUE DAMAGE PARTICULARLY ON MUCOUS MEMBRANES OF THE EYES. INFLAMMATION OF EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING

SKIN: VERY HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT). PROLONGED EXPOSURE MAY RESULT IN SKIN BURNS AND ULCERATION. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR OCCASIONALLY, BLISTERING.

INGESTION: HAZARDOUS IN CASE OF INGESTION.

INHALATION: SLIGHTLY HAZARDOUS IN CASE OF INHALATION (LUNG SENSITIZER). LIQUID OR SPRAY MIST MAY PRODUCE TISSUE DAMAGE OF THE RESPIRATORY TRACT, CHARACTERIZED BY COUGHING, CHOKING, OR SHORTNESS OF BREATH.

ACUTE HEALTH HAZARDS: VERY HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT). HAZARDOUS IN CASE OF SKIN CONTACT (CORROSIVE) OF EYE CONTACT (CORROSIVE), OF INGESTION. SLIGHTLY HAZARDOUS IN CASE OF INHALATION (LUNG SENSITIZER). LIQUID OR SPRAY MIST MAY PRODUCE TISSUE DAMAGE PARTICULARLY ON MUCOUS MEMBRANES OF EYES, MOUTH AND RESPIRATORY TRACT. SKIN CONTACT MAY PRODUCE BURNS. INHALATION OF THE SPRAY MIST MAY PRODUCE SEVERE IRRITATION OF RESPIRATORY TRACT, CHARACTERIZED BY COUGHING, CHOKING, OR SHORTNESS OF BREATH. PROLONGED EXPOSURE MAY RESULT IN SKIN BURNS AND ULCERATION. OVER-EXPOSURE BY INHALATION MAY CAUSE RESPIRATORY IRRITATION. INFLAMMATION OF EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR OCCASIONALLY, BLISTERING.

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CHRONIC HEALTH HAZARDS: THE SUBSTANCE IS TOXIC TO LUNGS, MUCOUS MEMBRANES. REPEATED OR PROLONGED EXPOSURE TO THE SUBSTANCE CAN PRODUCE TARGET ORGANS DAMAGE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

CARCINOGENICITY

OSHA: N/A ACGIH: A3 NTP: N/A IARC: 3
OTHER: N/A

SECTION 4: FIRST AID MEASURES

EYES: CHECK FOR AND REMOVE ANY CONTACT LENSES. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. COLD WATER MAY BE USED. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. COVER THE IRRITATED SKIN WITH AN EMOLLIENT. COLD WATER MAY BE USED. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE REUSE. GET MEDICAL ATTENTION IMMEDIATELY.

SERIOUS SKIN CONTACT: WASH WITH A DISINFECTANT SOAP AND COVER THE CONTAMINATED SKIN WITH AN ANTI-BACTERIAL CREAM. SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING UNLESS DIRECT TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT OR WAISTBAND. GET MEDICAL ATTENTION IF SYMPTOMS APPEAR.

INHALATION: IF INHALED, REMOVE TO FRESH AIR, IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IMMEDIATELY.

SERIOUS INHALATION: EVACUATE THE VICTIM TO SAFE AREA AS SOON AS POSSIBLE. LOOSEN TIGHT CLOTHING SUCH AS A COLLAR, TIE, BELT, OR WAISTBAND. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF THE VICTIM IS NOT BREATHING, PERFORM MOUTH-TO-MOUTH RESUSCITATION. WARNING: IT MAY BE HAZARDOUS TO THE PERSON PROVIDING AID TO GIVE MOUTH-TO-MOUTH RESUSCITATION WHEN THE INHALED MATERIAL IS TOXIC, INFECTIOUS, OR CORROSIVE. SEEK IMMEDIATE MEDICAL ATTENTION.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) LOWER: N/A

FLASH POINT: N/A

F: N/A

C: N/A

METHOD USED: N/A

AUTOIGNITION TEMPERATURE: N/A

F: N/A

C: N/A

NFPA HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1
OTHER: SPECIFIC HAZARD: OXY

HMIS HAZARD CLASSIFICATION

HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 1
PROTECTION: N/A

EXTINGUISHING MEDIA:

SMALL FIRE: USE WATER. DO NOT USE DRY CHEMICALS OR FOAMS, CO2, OR HALON MAY PROVIDE LIMITED CONTROL.
LARGE FIRE: FLOOD AREA WITH WATER FROM A DISTANCE. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK. DO NOT MOVE CARGO OR VEHICLE IF CARGO HAS BEEN EXPOSED TO HEAT. FIGHT FIRE FROM MAXIMUM DISTANCE OR USE UNMANNED HOSE HOLDERS OR MONITOR NOZZLES. COOL CONTAINERS WITH FLOODING QUANTITIES OF WATER UNTIL WELL AFTER FIRE IS OUT. ALWAYS STAY AWAY FROM TANKS ENGULFED IN FIRE. FOR MASSIVE FIRE, USE UNMANNED

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HOSE HOLDERS OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN. HYDROGEN PEROXIDE, AQUEOUS SOLUTION, WITH NOT LESS THAN 8% BUT LESS THAN 20% HYDROGEN PEROXIDE; HYDROGEN PEROXIDE, AQUEOUS SOLUTION, WITH NOT LESS THAN 20% BUT MORE THAN 60% HYDROGEN PEROXIDE (STABILIZED AS NECESSARY) [QC REVIEWED] [U.S. DEPARTMENT OF TRANSPORTATION. 2000 EMERGENCY RESPONSE GUIDEBOOK. RSPA P 5800.8 EDITION. WASHINGTON, D.C.: U.S GOVERNMENT PRINTING OFFICE, 2000, P. G-140]

SPECIAL FIRE FIGHTING PROCEDURES: SEE EXTINGUISHING MEDIA

UNUSUAL FIRE AND EXPLOSION HAZARDS: SLIGHTLY EXPLOSIVE IN PRESENCE OF OPEN FLAMES AND SPARKS, OF HEAT, OF ORGANIC MATERIALS, OF METALS, OF ACIDS. MOST CELLULOSE (WOOD, COTTON) MATERIALS CONTAIN ENOUGH CATALYST TO CAUSE SPONTANEOUS IGNITION WITH 90% HYDROGEN PEROXIDE. HYDROGEN PEROXIDE IS A STRONG OXIDER. IT IS NOT FLAMMABLE ITSELF, BUT IT CAN CAUSE SPONTANEOUS COMBUSTION OF FLAMMABLE MATERIALS AND CONTINUED SUPPORT OF THE COMBUSTION BECAUSE IT LIBERATES OXYGEN AS IT DECOMPOSES. HYDROGEN PEROXIDE MIXED WITH MAGNESIUM AND A TRACE OF MAGNESIUM DIOXIDE WILL IGNITE IMMEDIATELY.

SOLUBLE FUELS (ACETONE, ETHANOL, GLYCEROL) WILL DETONATE ON A MIXTURE WITH PEROXIDE OVER 30% CONCENTRATION, THE VIOLENCE INCREASING WITH CONCENTRATION. EXPLOSIVE WITH ACETIC ACID, ACETIC ANHYDRIDE, ACETONE, ALCOHOLS, CARBOXYLIC ACIDS, NITROGEN CONTAINING BASES, NITRIC ACID, POTASSIUM PERMANGANATE, P205, H₂SE, ALCOHOLS + H₂SO₄, ALCOHOLS+ TIN CHLORIDE, ANTIMONY TRISULFIDE, CHLOROSULFONIC ACID, AROMATIC HYDROCARBONS + TRIFLUOROACETIC ACID, AZELIAC ACID + SULFURIC ACID (ABOVE 45C), BENZENESULFONIC ANHYDRIDE, TERT-BUTANOL + SULFURIC ACID, SODIUM IODATE, TETRAHYDROTHIOPHENE, THIODIGLYCOL, MERCUROUS OXIDE, MERCURIC OXIDE, LEAD DIOXIDE, LEAD OXIDE, MAGANESE DIOXIDE, LEAD SULFIDE, GALLIUM + HCL, KETENES+ NITRIC ACID, IRON (II) SULFATE = 2-METHYLPYRIDINE + SULFURIC ACID, IRON (II) SULFATE + NITRIC ACID, + SODIUM CARBOXYMETHYLCELLULOSE (WHEN EVAPORATED), VINYL ACETATE, TRIOXANE, WATER + OXYGENATED COMPOUNDS (EG: ACETALDEHYDE, ACETIC ACID, ACETONE, ETHANOL, FORMALDEHYDE, FORMIC ACID, METHANOL, 2-PROPANOL, PROPIIONALDEHYDE), ORGANIC COMPOUNDS.BEWARE: MANY MIXTURES OF HYDROGEN PEROXIDE AND ORGANIC MATERIALS MAY NOT EXPLODE UPON CONTACT. HOWEVER, THE RESULTING COMBINATION IS DETONATABLE EITHER UPON CATCHING FIRE OR BY IMPACT. EXPLOSION HAZARD: SEVERE, WHEN HIGHLY CONCENTRATED OR PURE H₂O₂ IS EXPOSED TO HEAT, MECHANICAL IMPACT, OR CAUSED TO DECOMPOSE CATALYTICALLY BY METALS & THEIR SALTS, DUSTS & ALKALIES.

ANOTHER SOURCE OF HYDROGEN PEROXIDE EXPLOSIONS IS FROM SEALING THE MATERIAL IN STRONG CONTAINERS. UNDER SUCH CONDITIONS EVEN GRADUAL DECOMPOSITION OF HYDROGEN PEROXIDE TO WATER + ½ OXYGEN CAN CAUSE LARGE PRESSURES TO BUILD UP IN THE CONTAINERS WHICH MAY BURST EXPLOSIVELY.

FIRE OR EXPLOSION: MAY EXPLODE FROM FRICTION, HEAT, OR CONTAMINATION. THESE SUBSTANCES WILL ACCELERATE BURNING WHEN INVOLVED IN A FIRE. MAY IGNITE COMBUSTIBLES (WOOD, PAPER, OIL, CLOTHING, ETC.) SOME WILL REACT EXPLOSIVELY WITH HYDROCARBONS (FUELS). CONTAINERS MAY EXPLODE WHEN HEATED. RUNOFF MAY CREATE FIRE OR EXPLOSION HAZARD. HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED WITH MORE THAN 60% HYDROGEN PEROXIDE; HYDROGEN PEROXIDE, STABILIZED [QC REVIEWED] [U.S. DEPARTMENT OF TRANSPORTATION. 2000 EMERGENCY RESPONSE GUIDEBOOK. RSPA P 5800.8 EDITION. WASHINGTON, D.C.: U.S. GOVERNMENT PRINTING OFFICE, 2000, P G-143]

HAZARDOUS DECOMPOSITION PRODUCTS: SEE ABOVE.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

SMALL SPILL: DILUTE WITH WATER AND MOP UP, OR ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER.

LARGE SPILL: CORROSIVE LIQUID. OXIDIZING MATERIAL. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL. DO NOT GET WATER INSIDE CONTAINER. AVOID CONTACT WITH A COMBUSTIBLE MATERIAL (WOOD, PAPER, OIL, CLOTHING...) KEEP SUBSTANCE DAMP USING WATER SPRAY. DO NOT TOUCH SPILLED MATERIAL. USE WATER SPRAY CURTAIN TO DIVERT VAPOR DRIFT. PREVENT ENTRY INTO SEWERS, BASEMENTS OR CONFINED AREAS; DIKE IF NEEDED. CALL FOR ASSISTANCE ON DISPOSAL. BE CAREFUL THAT THE PRODUCT IS NOT PRESENT AT A CONCENTRATION LEVEL ABOVE TLV. CHECK TLV ON THE MSDS AND WITH LOCAL AUTHORITIES.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: KEEP LOCKED UP. KEEP CONTAINER DRY. KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF IGNITION. KEEP AWAY FROM COMBUSTIBLE MATERIAL. DO NOT INGEST. DO NOT BREATHE GAS/FUMES/VAPOR/SPRAY. NEVER ADD WATER TO THIS PRODUCT IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. IF INGESTED SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THE CONTAINER OR THE LABEL. AVOID CONTACT WITH SKIN AND EYES. KEEP AWAY FROM INCOMPATIBLE MATERIALS SUCH AS OXIDIZING AGENTS, REDUCING AGENTS, COMBUSTIBLE MATERIALS, ORGANIC MATERIALS, METALS, ACIDS, ALKALIS.

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KEEP CONTAINER TIGHTLY CLOSED. KEEP CONTAINER IN A COOL, WELL-VENTILATED AREA. SEPARATE FROM ACIDS, ALKALIES, REDUCING AGENTS AND COMBUSTIBLES. SEE NFPA 43A, CODE FOR THE STORAGE OF LIQUID AND SOLID OXIDIZERS. DO NOT STORE ABOVE 8C (46.4 F) REFRIGERATE SENSITIVE TO LIGHT. STORE IN A LIGHT-RESISTANT CONTAINER

OTHER PRECAUTIONS:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION: EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR RESPECTIVE THRESHOLD LIMIT VALUE.

RESPIRATORY PROTECTION: VAPOR RESPIRATOR

EYE PROTECTION: SPLASH GOGGLES

SKIN PROTECTION: FULL SUIT. GLOVES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IN CASE OF LARGE SPILL: A SELF CONTAINED BREATHING APPARATUS SHOULD BE USED TO AVOID INHALATION OF THE PRODUCT.

WORK HYGIENIC PRACTICES: N/A

EXPOSURE GUIDELINES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR COLORLESS

ODOR: ODORLESS

PHYSICAL STATE: LIQUID

pH AS SUPPLIED: N/A

pH (Other): N/A

BOILING POINT:

F: 226.4 DEG

C: 108 DEG

MELTING POINT:

F: -27.4 DEG

C: -33 DEG

FREEZING POINT: N/A

F: N/A

C: N/A

VAPOR PRESSURE (mmHg): 3.1 KPA

@

F: N/A

C: 20 DEG

VAPOR DENSITY (AIR = 1): 1.1

@

F: N/A

C: N/A

@

F: N/A

C: N/A

EVAPORATION RATE: N/A

BASIS (=1): N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: EASILY SOLUBLE IN COLD WATER

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: N/A
BY WT/ BY VOL @
F: N/A
C: N/A

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

WITH WATER: N/A LBS/GAL
WITHOUT WATER: N/A LBS/GAL

MOLECULAR WEIGHT: N/A

VISCOSITY: N/A

@

F: N/A
C: N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE. IT CONTAINS A STABILIZER

CONDITIONS TO AVOID (STABILITY): EXCESSIVE HEAD, INCOMPATIBLE MATERIALS

INCOMPATIBILITY (MATERIAL TO AVOID): REACTIVE WITH OXIDIZING AGENTS, COMBUSTIBLE MATERIALS, ORGANIC MATERIALS, METALS, ACIDS, ALKALIS

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

TOXICITY TO ANIMALS:

ACUTE ORAL TOXICITY (LD50): 6667 MG/KG (MOUSE)

ACUTE DERMAL TOXICITY (LD50) 6667 MG/KG (PIG)

MUTAGENIC EFFECTS: MUTAGENIC FOR MAMMALIAN SOMATIC CELLS. MUTAGENIC FOR BACTERIA AND/OR YEAST
CONTAINS MATERIAL WHICH MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: BLOOD, UPPER RESPIRATORY TRACT, SKIN,
EYES, CENTRAL NERVOUS SYSTEM.

SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS: MAY CAUSE CANCER AND MAY AFFECT GENETIC MATERIAL BASED
ON ANIMAL DATA. MAY BE TUMORIGENIC (HYDROGEN PEROXIDE)

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

PRODUCTS OF BIODEGRADATION: POSSIBLY HAZARDOUS SHORT/LONG TERM DEGRADATION PRODUCTS ARE TO BE
EXPECTED.

TOXICITY OF THE PRODUCTS OF BIODEGRADATION: THE PRODUCTS OF DEGRADATION ARE LESS TOXIC THAN THE PRODUCT
ITSELF.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: COMPLY WITH FEDERAL, STATE, LOCAL REGULATIONS.

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RCRA HAZARD CLASS: N/A

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

HAZARD CLASS: 5.1

ID NUMBER: UN 2014

PACKING GROUP: II

LABEL STATEMENT: OXIDIZING MATERIAL

WATER TRANSPORTATION

PROPER SHIPPING NAME: SAME

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME: SAME

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): 8 (b) INVENTORY: HYDROGEN PEROXIDE

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): HAZARDOUS SUBSTANCES: HYDROGEN PEROXIDE: 1LBS (0.4536 KG)

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): EXTREMELY HAZARDOUS SUBSTANCES: HYDROGEN PEROXIDE

311/312 HAZARD CATEGORIES: EXTREMELY HAZARDOUS SUBSTANCES: HYDROGEN PEROXIDE

313 REPORTABLE INGREDIENTS: EXTREMELY HAZARDOUS SUBSTANCES: HYDROGEN PEROXIDE

STATE REGULATIONS:

NEW YORK ACUTELY HAZARDOUS SUBSTANCES: HYDROGEN PERODIXE

RHODE ISLAND RTK HAZARDOUS SUBSTANCES: HYDROGEN PEROXIDE

PENNSYLVANIA RTK: HYDROGEN PEROXIDE

FLORIDA: HYDROGEN PEROXIDE

MINNESOTA: HYDROGEN PEROXIDE

MASSACHUSETTS RTK: HYDROGEN PEROXIDE

NEW JERSEY: HYDROGEN PEROXIDE

INTERNATIONAL REGULATIONS:

WHMIS (CANADA)

CLASS C: OXIDIZING MATERIAL

CLASS E: CORROSIVE LIQUID

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CLASS F: DANGEROUSLY REACTIVE MATERIAL

DSCL (EEC)

R8- CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE

R34- CAUSES BURNS

S3- KEEP IN A COOL PLACE

S26- IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE

S28- AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER

S36/37/39- WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES, AND EYE/FACE PROTECTION.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: N/A

PREPARATION INFORMATION: N/A

DISCLAIMER: IN COMPLIANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD, 2.9 C.F.R 1910. 1200, WE ARE PROVIDING YOU WITH A MSDS FOR THE HAZARDOUS MATERIAL YOU ARE PURCHASING.

IT IS YOUR RESPONSIBILITY TO EDUCATE YOUR EMPLOYEES ON THE SAFE USE OF THE HAZARDOUS MATERIAL.

ELECTRON MICROSCOPY SCIENCES MAKES NO PRESENTATION AS TO THE ACCURACY OF THE INFORMATION IN THE MSDS. THE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, YOU (THE CUSTOMER), SHOULD PERFORM YOUR OWN INVESTIGATION AND INDEPENDENT VERIFICATION. IF YOU RESELL THE PRODUCT, YOU ARE RESPONSIBLE TO FORWARD THE INFORMATION IN THE MSDS TO YOUR CUSTOMER.