

MATERIAL SAFETY DATA SHEET

MANUFACTURER

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PRODUCT IDENTIFICATION

PRODUCT: Peroxidase Blocking Solution
CATALOG #: 10-0056

HAZARDOUS COMPONENT INFORMATION

THE PROVIDED INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT CLAIM TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. TRAINED PERSONNEL AND GOOD LABORATORY PRACTICES SHOULD COMPLEMENT USE OF THIS PRODUCT. GENEMED BIOTECHNOLOGIES, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGES RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

MATERIAL SAFETY DATA SHEET

SECTION 1

CHEMICAL IDENTIFICATION

NAME: HYDROGEN PEROXIDE 3%

DATE: 6/04/10

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

	CAS-NO.	EC-NO.	INDEX-NO.	CONCENTRATION
WATER	7732-18-5	231-791-2	-	≥ 95%
HYDROGEN PEROXIDE	7722-84-1	231-765-0	008-003-00-9	< 5%

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

OSHA HAZARDS

TARGET ORGAN EFFECT, HARMFUL BY INGESTION, TOXIC BY INHALATION, CORROSIVE, CARCINOGEN

TARGET ORGANS

EYES, SKIN, RESPIRATORY SYSTEM

HMIS CLASSIFICATION

HEALTH HAZARD: 3

CHRONIC HEALTH HAZARD: *

FLAMMABILITY: 0

PHYSICAL HAZARDS: 0

NFPA RATING

HEALTH HAZARD: 3

FIRE: 0

REACTIVITY HAZARD: 0

POTENTIAL HEALTH EFFECTS

INHALATION MAY BE HARMFUL IF INHALED. MATERIAL IS EXTREMELY DESTRUCTIVE TO THE TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

SKIN MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN BURNS.

CAUSES EYE BURNS.

INGESTION HARMFUL IF SWALLOWED.

CAUSES BURNS.

SECTION 4

FIRST AID MEASURES

GENERAL ADVICE

MOVE OUT OF DANGEROUS AREA.

IF INHALED

IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.

IN CASE OF SKIN CONTACT

TAKE OFF CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.

IN CASE OF EYE CONTACT

CONTINUE RINSING EYES DURING TRANSPORT TO HOSPITAL. RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.

IF SWALLOWED

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

SECTION 5

FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT – NO DATA AVAILABLE

IGNITION TEMPERATURE – NO DATA AVAILABLE

SUITABLE EXTINGUISHING MEDIA

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

WEAR SELF CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.

SECTION 6

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPORS, MIST OR GAS.

ENSURE ADEQUATE VENTILATION. EVACUATE PERSONNEL TO SAFE AREAS.

ENVIRONMENTAL PRECAUTIONS

DO NOT LET PRODUCT ENTER DRAINS.

METHODS FOR CLEANING UP

SOAK UP WITH INERT ABSORBENT MATERIAL AND DISPOSE OF AS HAZARDOUS WASTE.

KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

SECTION 7

HANDLING AND STORAGE

HANDLING

AVOID INHALATION OF VAPOUR OR MIST.

NORMAL MEASURES FOR PREVENTIVE FIRE PROTECTION.

STORAGE

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

CONTAINERS WHICH ARE OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE.

LIGHT SENSITIVE.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENTS	CAS-NO.	VALUE	CONTROL PARAMETERS	UPDATE	BASIS
HYDROGEN PEROXIDE	7722-84-1	TWA	1 PPM	2007-01-01	USA. ACGIH THRESHOLD LIMIT VALUES (TLV)

REMARKS: EYE, SKIN, AND UPPER RESPIRATORY TRACT IRRITATION CONFIRMED ANIMAL CARCINOGEN WITH UNKNOWN RELEVANCE TO HUMANS: THE AGENT IS CARCINOGENIC IN

EXPERIMENTAL ANIMALS AT A RELATIVELY HIGH DOES, BY ROUTE(S) THAT MAY NOT BE RELEVANT TO WORKER EXPOSURE. AVAILABLE EPIDEMIOLOGIC STUDIES DO NOT CONFIRM AN INCREASED RISK OF CANCER IN EXPOSED HUMANS. AVAILBLE EVIDENCE DOES NOT SUGGEST THAT THE AGENT IS LIKELY TO CAUSE CANCER IN HUMANS EXCEPT UNDER UNCOMMON OR UNLIKELY ROUTES OR LEVELS OF EXPOSURE.

TWA	1 PPM 1.4 MG/M3	1989-01-19	USA. OSHA – TABLE Z-1 LIMITS FOR AIR CONTAMINANTS – 1910.1000
TWA	1 PPM	1997-08-04	USA. OCCUPATIONAL EXPOSURE LIMITS (OSHA) – TABLE Z-1 LIMITS FOR AIR CONTAMINANTS

THE VALUE OF MG/M3 IS APPROXIMATE.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE RESPIRATOR WITH MULTIPURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).

HAND PROTECTION

HANDLE WITH GLOVES.

EYE PROTECTION

SAFETY GLASSES

HYGIENE MEASURES

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.
WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

SECION 9

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

FORM: CLEAR, LIQUID

COLOR: COLORLESS

SAFETY DATA

PH 6.0 – 8.0 AT 25°C (77°F)

MELTING POINT: 0.0 °C (32.0 °F)

BOILING POINT: 100 °C (212.0 °F)

FLASH POINT: NO DATA AVAILABLE

IGNITION TEMPERATURE: NO DATA AVAILABLE

LOWER EXPLOSION LIMIT: NO DATA AVAILABLE

UPPER EXPLOSION LIMIT: NO DATA AVAILABLE

VAPOR PRESSURE: 31.1 hPa (23.3 mmHg) at 30°C (86°F)

DENSITY: 1.00 g/cm³

WATER SOLUBILITY: COMPLETELY MISCIBLE

SECTION 10

STABILITY AND REACTIVITY

STORAGE STABILITY

STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

CONDITIONS TO AVOID

LIGHT

MATERIALS TO AVOID

IRON AND IRON SALTS, POWDERED METALS, COPPER, IRON, ZINC, NICKEL

SECTION 11

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

NO DATA AVAILABLE

IRRITATION AND CORROSION

NO DATA AVAILABLE

SENSITISATION

NO DATA AVAILABLE

CHRONIC EXPOSURE

IARC: 3 – GROUP 3: NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS
(HYDROGEN PEROXIDE)

NTP: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

OSHA: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.

SIGNS AND SYMPTOMS OF EXPOSURE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

POTENTIAL HEALTH EFFECTS

INHALATION: MAY BE HARMFUL IF INHALED. MATERIAL IS EXTREMELY DESTRUCTIVE TO THE TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

SKIN: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN BURNS.

EYES: CAUSES EYE BURNS.

INGESTION: HARMFUL IF SWALLOWED. CAUSES BURNS.

TARGET ORGANS: EYES, SKIN, RESPIRATORY SYSTEM

SECTION 12

ECOLOGICAL INFORMATION

ELIMINATION INFORMATION (PERSISTENCE AND DEGRADABILITY)

NO DATA AVAILABLE

ECOTOXICITY EFFECTS

NO DATA AVAILABLE

FURTHER INFORMATION ON ECOLOGY

NO DATA AVAILABLE

SECTION 13

DISPOSAL CONSIDERATIONS

PRODUCT

OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

SECTION 14**TRANSPORT INFORMATION**

DOT (US)
NOT DANGEROUS GOODS
IMDG
NOT DANGEROUS GOODS
IATA
NOT DANGEROUS GOODS

SECTION 15**REGULATORY INFORMATION**

OSHA HAZARDS
TARGET ORGAN EFFECT, HARMFUL BY INGESTION, TOXIC BY INHALATION, CORROSIVE,
CARCINOGEN
DSL STATUS
ALL COMPONENTS OF THIS PRODUCT ARE ON THE CANADIAN DSL LIST.
SARA 302 COMPONENTS
SARA 302: NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING
REQUIREMENTS OF SARA TITLE III, SECTION 302.
SARA 313 COMPONENTS
SARA 313: THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH
KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS
ESTABLISHED BY SARA TITLE III, SECTION 313.
SARA 311/312 HAZARDS
ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD
MASSACHUSETTS RIGHT TO KNOW COMPONENTS

HYDROGEN PEROXIDE	CAS-NO. 7722-84-1	REVISION 2007-03-01
PENNSYLVANIA RIGHT TO KNOW COMPONENTS		

WATER	CAS-NO. 7732-18-5	REVISION -
HYDROGEN PEROXIDE	7722-84-1	2007-03-01
NEW JERSEY RIGHT TO KNOW COMPONENTS		

WATER	CAS-NO. 7732-18-5	REVISION -
HYDROGEN PEROXIDE	7722-84-1	2007-03-01
CALIFORNIA PROP. 65 COMPONENTS		

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA
TO CAUSE CANCER, BIRTH, OR ANY OTHER REPRODUCTIVE DEFECTS.

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