

MATERIAL SAFETY DATA SHEET

Code# MB-019
10X Tris-Borate-EDTA (TBE)
(0.9M Tris-Borate, .01M EDTA, pH 8.3)

Rockland Immunochemicals, Inc.
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(800) 656-7625

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SECTION 1:-----CHEMICAL IDENTIFICATION-----

NAME: TRIS-BORATE-EDTA

SECTION 2:-----COMPOSITION/INFORMATION ON INGREDIENTS-----

CHEMICAL NAME:	CAS#	RTECS#:	%:
TRIS	77-86-1	TY2900000	N/A
BORIC ACID	10043-35-3	ED4550000	N/A
EDTA	6381-92-6	AH4410000	N/A

For more information see complete RTECS entry.

SECTION 3:-----HAZARDS IDENTIFICATION-----

THE TOXICOLOGICAL PROPERTIES OF THIS PRODUCT HAVE NOT BEEN DETERMINED. THE SOLUTION MAY CAUSE ACUTE OR CHRONIC IRRITATION OF SKIN, EYES AND MUCOUS MEMBRANES.

SECTION 4:-----FIRST-AID MEASURES-----

INHALE: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE OXYGEN/ARTIFICIAL RESPIRATION) (FP N). IN THE EVENT OF ANY CHEMICAL EXPOSURE, PLEASE SEEK MED ATTN. INGEST: REPEATEDLY RINSE MOUTH W/WATER. DRINK LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN CONTACT: IMMEDIATELY WASH SKIN W/ SOAP AND FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF CONTACT AREA REMAINS IRRITATED. EYE CONTACT: IMMEDIATELY FLUSH EYES W/LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF EYES REMAIN IRRITATED. FOR EMERGENCY EXPOSURE INFO: 1-800-424-8802 (NATIONAL RESPONSE CENTER).

SECTION 5:-----FIRE FIGHTING MEASURES-----

EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIRE FIGHTING MEASURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS

SECTION 6:-----ACCIDENTAL RELEASE MEASURES-----

WEAR PROTECTIVE CLOTHING AND SAFETY GLASSES OR GOGGLES WHILE CLEANING UP THE SPILL. MINIMIZE SPREAD OF LIQUID USING APPROPRIATE ABSORBENT MATERIAL. PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

SECTION 7:-----HANDLING AND STORAGE-----

HANDLING

USER EXPOSURE: AVOID INHALATION. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE.

STORAGE

SUITABLE: KEEP TIGHTLY CLOSED.

SECTION 8:-----EXPOSURE CONTROLS/PERSONAL PROTECTION-----

CHEMICAL SAFETY GOGGLES

COMPATIBLE CHEMICAL-RESISTANT GLOVES

NIOSH/MSHA-APPROVED RESPIRATOR

SAFETY SHOWER AND EYE BATH

WASH THOROUGHLY AFTER HANDLING.

SECTION 9:-----PHYSICAL AND CHEMICAL PROPERTIES-----

APPEARANCE AND ODOR

CLEAR, COLORLESS/ODORLESS LIQUID.

SECTION 10:-----STABILITY AND REACTIVITY -----

STABILITY - STABLE

INCOMPATIBILITIES - N/P

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

N/P

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

SECTION 11:-----TOXICOLOGICAL INFORMATION-----

ROUTE OF EXPOSURE

SKIN CONTACT: MAY CAUSE SKIN IRRITATION.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

EYE CONTACT: MAY CAUSE EYE IRRITATION.

INHALATION: MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. MAY BE HARMFUL IF INHALED.

INGESTION: MAY BE HARMFUL IF SWALLOWED.

TARGET ORGAN(S) OR SYSTEM(S)

TESTES.

SIGNS AND SYMPTOMS OF EXPOSURE

TOXICITY REPORTED FOR BORATES IN HUMANS: INGESTION OR ABSORPTION MAY CAUSE NAUSEA, VOMITING, DIARRHEA, ABDOMINAL CRAMPS,

ANDERYTHEMATOUS LESIONS ON THE SKIN AND MUCOUS MEMBRANES. OTHER

SYMPTOMS INCLUDE: CIRCULATORY COLLAPSE, TACHYCARDIA, CYANOSIS,

DELIRIUM, CONVULSIONS, AND COMA. DEATH HAS BEEN REPORTED TO OCCUR IN INFANTS FROM LESS THAN 5 GRAMS AND IN ADULTS FROM 5 TO 20 GRAMS. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12:-----ECOLOGICAL INFORMATION-----

DATA NOT YET AVAILABLE

SECTION 13:-----DISPOSAL CONSIDERATIONS-----

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14:-----TRANSPORT INFORMATION-----

DOT

PROPER SHIPPING NAME: NONE

NON-HAZARDOUS FOR TRANSPORT: THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR TRANSPORT.

IATA

NON-HAZARDOUS FOR AIR TRANSPORT.

SECTION 15:-----REGULATORY INFORMATION-----

EU ADDITIONAL CLASSIFICATION

S: 23-24/25

SAFETY STATEMENTS: DO NOT BREATHE VAPOR. AVOID CONTACT WITH SKIN AND EYES.

US CLASSIFICATION AND LABEL TEXT

US STATEMENTS: CAUTION: AVOID CONTACT AND INHALATION. TARGET ORGAN(S): TESTES.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: NO

CANADA REGULATORY INFORMATION

WHMIS CLASSIFICATION: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR, AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

DSL: NO

NDSL: NO

SECTION 16:-----OTHER INFORMATION-----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. MANUFACTURER SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING FROM CONTACT WITH THE ABOVE PRODUCT.

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