

# MATERIAL SAFETY DATA SHEET

## **SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MSDS Name: TRANSFER BUFFER

Catalog Numbers: BP-190

Company Identification: Boston BioProducts, Inc. 9 Short Street. Worcester, MA 01604

## **SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS**

TRIS, GLYCINE

## **SECTION 3 - HAZARDS IDENTIFICATION**

Data not Available

## **SECTION 4-FIRST-AID MEASURES**

IF SWALLOWED WASH OUT MOUTH WITH WATER (IF PERSON IS CONSCIOUS). CALL A PHYSICIAN. IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN. IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

## **SECTION 5-FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

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 SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

## **SECTION 7-HANDLING AND STORAGE**

REFER TO SECTION 8.

## **SECTION 8-EXPOSURE CONTROLS/PERSONAL PROTECTION**

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

AVOID INHALATION.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

NIOSH/MSHA-APPROVED RESPIRATOR.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

CHEMICAL SAFETY GOGGLES.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

WASH THOROUGHLY AFTER HANDLING.

## **SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES**

NO DATA AVAILABLE

## **SECTION 10-STABILITY AND REACTIVITY**

STABILITY-STABLE.

INCOMPATIBILITIES-STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS-CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, AMMONIA

HAZARDOUS POLYMERIZATION-WILL NOT OCCUR.

**SECTION 11-TOXICOLOGICAL INFORMATION**

ACUTE EFFECTS

MAY CAUSE SKIN IRRITATION.

MAY CAUSE EYE IRRITATION.

MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

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

RTECS #: MB7600000

GLYCINE

TOXICITY DATA

ORL-RAT LD50:	7930 MG/KG	YACHDS 5,1502,1977
SCU-RAT LD50:	5200 MG/KG	YACHDS 5,1502,1977
IVN-RAT LD50:	2600 MG/KG	YACHDS 5,1502,1977
ORL-MUS LD50:	4920 MG/KG	YACHDS 5,1502,1977
IPR-MUS LD50:	4450 MG/KG	YACHDS 5,1502,1977
SCU-MUS LD50:	5060 MG/KG	YACHDS 5,1502,1977
IVN-MUS LD50:	2370 MG/KG	YACHDS 5,1502,1977

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

**SECTION 12- ECOLOGICAL INFORMATION**

DATA NOT AVAILABLE.

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

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

**SECTION 14-TRANSPORT INFORMATION**

CONTACT BOSTON BIOPRODUCTS FOR TRANSPORTATION INFORMATION.

**SECTION 15- REGULATORY INFORMATION**

TLV AND SOURCE

FOR NUISANCE PARTICULATES:

ACGIH TLV-TWA: 10 MG/M3.

OSHA PEL: 8H TWA 15 MG/M3, TOTAL DUST.

OSHA PEL: 8H TWA 5 MG/M3, RESPIRABLE FRACTION.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

OEL-RUSSIA: STEL 5 MG/M3 JAN 1993

NOHS 1974: HZD 80389; NIS 17; TNF 1797; NOS 25; TNE 25710

NOES 1983: HZD 80389; NIS 24; TNF 3706; NOS 48; TNE 115042; TFE 83784

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, SEPTEMBER 1999

**Disclaimer:**

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**January 2007**