

# MATERIAL SAFETY DATA SHEET

## Section 1 - Chemical Product and Company Identification

MSDS Name: NP-40 Lysis Buffer

**Catalog Numbers:** BP-119-BP-119X

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

**For information, call:** 1-508-756-6677

**Emergency Number:** 1-888-881-8691

## Section 2 – Composition, Information on Ingredients

Tris-HCL (0.6%), NaCL (0.85%), NP-40 (1%) and EDTA (0.18%)

## Section 3 - Hazards Identification

HARMFUL BY INHALATION AND IF SWALLOWED.

MAY CAUSE SENSITIZATION BY INHALATION.

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

RISK OF SERIOUS DAMAGE TO EYES.

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

WEAR SUITABLE PROTECTIVE CLOTHING.

## Section 4 - First Aid Measures

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.

CALL A PHYSICIAN.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

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.

EVACUATE AREA.

## Section 7 - Handling and Storage

REFER TO SECTION 8.

## Section 8- EXPOSURE CONTROLS/PERSONAL PROTECTION-

USE ONLY IN A CHEMICAL FUME HOOD.

SAFETY SHOWER AND EYE BATH.

WASH THOROUGHLY AFTER HANDLING.

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.  
TOXIC.  
IRRITANT.  
STRONG SENSITIZER.  
STERNUTATOR.

#### Section 9- Physical and Chemical Properties

##### PHYSICAL PROPERTIES

MELTING POINT: 204 - 207 C

#### Section 10-Stability and Reactivity

##### INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE

SULFUR OXIDES

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

#### Section 11.-Toxicological Information

##### ACUTE EFFECTS

CAUSES SKIN IRRITATION.

MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

CAUSES SEVERE EYE IRRITATION.

HARMFUL IF INHALED.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER  
RESPIRATORY TRACT.

HARMFUL IF SWALLOWED.

MAY CAUSE ALLERGIC RESPIRATORY REACTION.

SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,  
WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND  
VOMITING.

THE SODIUM SALT OF DODECYL SULFATE HAS BEEN REPORTED TO CAUSE  
PULMONARY SENSITIZATION RESULTING IN HYPERACTIVE AIRWAY DYSFUNCTION  
AND PULMONARY ALLERGY ACCOMPANIED BY FATIGUE, MALAISE AND ACHING.  
SIGNIFICANT SYMPTOMS OF EXPOSURE CAN PERSIST FOR MORE THAN TWO YEARS  
AND CAN BE ACTIVATED BY A VARIETY OF NONSPECIFIC ENVIRONMENTAL STIMULI  
SUCH AS AUTOMOBILE EXHAUST, PERFUMES AND PASSIVE SMOKING.

CAUSES SNEEZING. DO NOT INHALE.

VASCULAR (REGIONAL OR GENERAL ARTERIOLAR OR VENOUS DILATION)

EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY)

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

No information available.

#### Section 13 Disposal Considerations

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

Not Regulated

#### Section 15-Regulatory Information

##### EUROPEAN INFORMATION

HARMFUL R 20/22

HARMFUL BY INHALATION AND IF SWALLOWED. R 42

MAY CAUSE SENSITIZATION BY INHALATION. R 36/37/38  
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. R 41  
RISK OF SERIOUS DAMAGE TO EYES. S 26  
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF  
WATER AND SEEK MEDICAL ADVICE. S 36  
WEAR SUITABLE PROTECTIVE CLOTHING. S 22  
DO NOT BREATHE DUST.  
REVIEWS, STANDARDS, AND REGULATIONS

**For any other information please contact Boston BioProducts at 508-756-6677**