SECTION 1. --- -- -- -- -- -- CHEMICAL IDENTIFICATION --- -- -- -- -- --
PRODUCT #: A6144
NAME: ADENOSINE 5'-TRIPHOSPHATE DISODIUM FROM

SECTION 2. --- -- -- -- -- -- COMPOSITION/INFORMATION ON INGREDIENTS --- -- -- -- -- --
CAS #: 51961-61-2
MF: C10H14N5Na2O21P3
ADDITIONAL INFORMATION
CONTAINS ACETONE, CHEMICAL ABSTRACTS REGISTRY NUMBER 67-64-1.
CONTAINS ETHYL ALCOHOL, CHEMICAL ABSTRACTS REGISTRY NUMBER 64-17-5.
CONTAINS METHYL ALCOHOL, CHEMICAL ABSTRACTS REGISTRY NUMBER 67-56-1.

SECTION 3. --- -- -- -- -- -- HAZARDOUS IDENTIFICATION --- -- -- -- -- --
LABEL PRECAUTIONARY STATEMENTS
TOXIC
TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
TARGET ORGAN(S):
HEART
NERVES
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
DO NOT BREATHE DUST.

SECTION 4. --- -- -- -- -- -- FIRST-AID MEASURES --- -- -- -- -- --
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITHcopious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. --- -- -- -- -- -- FIRE FIGHTING MEASURES --- -- -- -- -- --

CONTINUED ON NEXT PAGE
PRODUCT #: A6144
MF #: C10H14N5Na2013P3
NAME: ADENOSINE 5'-TRIPHOSPHATE DISODIUM FROM

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 RESPIRATOR, CHEMICAL SAFETY GOGGLES, 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 -- -- -- --
WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
MECHANICAL EXHAUST REQUIRED.
SAFETY SHOWER AND EYE BATH.
Wash thoroughly after handling.

SECTION 9. -- -- -- -- PHYSICAL AND CHEMICAL PROPERTIES -- -- -- --
APPEARANCE AND ODOR
SOLID
SOLUBILITY: WATER-SOLUBLE

SECTION 10. -- -- -- -- -- -- STABILITY AND REACTIVITY -- -- -- --

CONTINUED ON NEXT PAGE
PRODUCT #: A6144  
NAME: ADENOSINE 5'-TRIPHOSPHATE DISODIUM FROM

CONDITIONS TO AVOID
STABLE

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
THERMAL DECOMPOSITION MAY PRODUCE TOXIC FUMES OF PHOSPHORUS OXIDES
AND/OR PHOSPHINE
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
SODIUM/SODIUM OXIDES
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. CAUSES EYE AND SKIN IRRITATION. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. EXPOSURE CAN CAUSE:
- CNS DEPRESSION
- GASTROINTESTINAL DISTURBANCES
- NAUSEA, HEADACHE AND VOMITING
- NARCOTIC EFFECT
- MAY CAUSE CONVULSIONS.
- DERMATITIS
- TARGET ORGAN(S):
- HEART
- NERVES
- EYES
- LIVER
- KIDNEYS
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
CONTINUED ON NEXT PAGE
MATERIAL SAFETY DATA SHEET

PRODUCT #: A6144
MF: C10H14N5Na2013P3
NAME: ADENOSINE 5'-TRIPHOSPHATE DISODIUM FROM

DILUTE 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

SECTION 15: REGULATORY INFORMATION

TLV AND SOURCE:
ACGIH TLV-TWA: 750 PPM (1780 MG/M3); STEL 1000 PPM (2330 MG/M3).
OSHA PEL: 8H-TWA 750 PPM (1800 MG/M3); STEL 1000 PPM (2400 MG/M3).
FOR ETHYL ALCOHOL (ETHANOL):
ACGIH TLV-TWA: 1000 PPM (1800 MG/M3).
OSHA PEL: 8H-TWA 1000 PPM (1900 MG/M3).
FOR METHYL ALCOHOL - SKIN:
ACGIH TLV-TWA: 205 PPM (2.60 MG/M3); STEL: 250 PPM (3.10 MG/M3).
OSHA PEL: 8H-TWA 200 PPM (260 MG/M3); STEL: 250 PPM (310 MG/M3).
MAY CONTAIN UP TO:
2.5% METHANOL, CAS NUMBER 67-56-1
2.5% ACETONE, CAS NUMBER 67-64-1.
THESE PRODUCTS ARE SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

SECTION 16: OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
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