

M A T E R I A L S A F E T Y D A T A S H E E T P A G E 2

CUST#: 2-097-94816
PO#: UNE-51497

PRODUCT #: A2754
MF: C10H15N5O10P2

NAME: ADENOSINE 5'-DIPHOSPHATE SODIUM
FROM BACTERIAL SOURCE

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.
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
TOXIC.
IRRITANT.
KEEP TIGHTLY CLOSED.
REFRIGERATE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

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BRANCH OFFICES AT:

SIGMA-ALDRICH VERTRIEBS GmbH Grünwalder Weg 30 82041 Dalsenhofen Deutschland	SIGMA-ALDRICH QUIMICA, S.A. Apl. Correos 181 28100 Alcobendas (Madrid) España	SIGMA-ALDRICH s.r.o. Krizikova 27 186 00 Praha 8 Ceská Republika	SIGMA CHEMIE K. Cardijnplein,8 B-2880 Bornem Belgie/Belgique	SIGMA CHEMIE P.O.Box 260 CH-9470 Buchs Switzerland	SIGMA-ALDRICH QUIMICA, S.A. de C.V. Avenida Picacho Ajusco No. 130-303 Fraccionamiento Jardines en la Montaña 14210 Mexico, D.F.	SIGMA-ALDRICH CORPORATION New Delhi Location B-4/158, Safdarjung Enclave New Delhi - 110 029 India
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M A T E R I A L S A F E T Y D A T A S H E E T P A G E 3

PRODUCT #: A 2754 NAME: ADENOSINE 5'-DIPHOSPHATE SODIUM
 MF: C10H15N5O10P2 FROM BACTERIAL SOURCE
 CUST#: 2-097-94816
 PO#: UNE-51497

APPEARANCE AND ODOR
 WHITE POWDER
 SOLUBILITY: WATER-SOLUBLE

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

INCOMPATIBILITIES
 STRONG OXIDIZING AGENTS
 HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
 TOXIC FUMES OF:
 CARBON MONOXIDE, CARBON DIOXIDE
 NITROGEN OXIDES
 PHOSPHOROUS OXIDES

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 MAY CAUSE:
 GASTROINTESTINAL DISTURBANCES
 NARCOTIC EFFECT
 DAMAGE TO THE EYES
 DAMAGE TO THE LIVER
 DAMAGE TO THE HEART
 DAMAGE TO THE KIDNEYS
 MAY CAUSE CONVULSIONS.
 TARGET ORGAN(S):
 NERVES
 LIVER
 EYES
 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.

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SIGMA CHIMIE ISLE D'Abreu Chesnes s.p. 701 8297 St. Quentin Fallavier cedex France	SIGMA-ALDRICH S.r.l. Via Gallarate 154 20151 Milano Italia	SIGMA-ALDRICH PTY., LIMITED Unit 2, 10 Anella Ave. Castle Hill NSW 2154 Australia	SIGMA-ALDRICH CHEMICAL REPRESENTAÇÕES LTDA. Rua Sabará, 566 - Conj. 53 01239-010 São Paulo, SP Brasil	SIGMA CHEMICAL CO. LTD. Fancy Road, Poole Dorset BH17 7NH England	SIGMA-ALDRICH Kft Térez krt. 39 1057 Budapest Hungary	SIGMA-ALDRICH 206 Samhin Campus Building 17-3 Yoido-dong Yungdeungpo-ku Seoul South Korea

M A T E R I A L S A F E T Y D A T A S H E E T P A G E 4

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NAME: ADENOSINE 5'-DIPHOSPHATE SODIUM
 FROM BACTERIAL SOURCE

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 -----

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION ----- 

TLV AND SOURCE

FOR ETHYL ALCOHOL (ETHANOL):
 ACGIH TLV-TWA: 1000 PPM (1080 MG/M3).
 OSHA PEL: 8H TWA 1000 PPM (1900 MG/M3).
 FOR METHYL ALCOHOL - SKIN:
 ACGIH TLV-TWA: 200 PPM (260 MG/M3); STEL: 250 PPM (310 MG/M3).
 OSHA PEL: 3 H TWA 200 PPM (260 MG/M3); STEL: 250 PPM (310 MG/M3).

MAY CONTAIN UP TO:

4% METHANOL GAS #67-56-1

THIS PRODUCT IS 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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