



chemists helping chemists in research & industry

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92 JAN 15 P1: 42

SCHOOLCRAFT COLLEGE
PURCHASING DEPARTMENT

DATE: 01/07/92
CUST#: 938609
PO#: 70341

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 1

IDENTIFICATION

PRODUCT #: 31674-1
CAS #: 329-65-7
MF: C9H13NO3

NAME: (+/-)-EPINEPHRINE, 95%

SYNONYMS

DL-ADRENALINE * DL-EPINEPHRINE * EPINEPHRINE RACEMIC *

TOXICITY HAZARDS

RTECS NO: D02975000

BENZYL ALCOHOL, 3,4-DIHYDROXY-ALPHA-((METHYLAMINO)METHYL)-, (+/-)-

TOXICITY DATA

IVN-RAT LD50: 70 UG/KG

JPETAB 95,502,49

IPR-MUS LD50: 7800 UG/KG

PSEBAA 68,501,48

IVN-MUS LD50: 3400 UG/KG

JPETAB 95,502,49

REVIEWS, STANDARDS, AND REGULATIONS

NOES 1983: HZD X4149000; TNF 1; NIS 399; NOS 5; TNE 8846; TFE 6257

TARGET ORGAN DATA

BEHAVIORAL (SOMNOLENCE)

BEHAVIORAL (MUSCLE WEAKNESS)

LUNGS, THORAX OR RESPIRATION (ACUTE PULMONARY EDEMA)

LUNGS, THORAX OR RESPIRATION (DYSPNOEA)

LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

KIDNEY, URETER, BLADDER (INFLAMMATION, NECROSIS OR SCARRING OF BLADDER)

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

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE FATAL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN.

MAY CAUSE IRRITATION.

CHRONIC EFFECTS

MAY CAUSE CONGENITAL MALFORMATION IN THE FETUS.

TARGET ORGAN(S):

HEART

SMOOTH MUSCLE

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

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

CONTINUED ON NEXT PAGE

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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 2

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----- HEALTH HAZARD DATA -----

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

----- PHYSICAL DATA -----

MELTING PT: 197 C (DEC)
APPEARANCE AND ODOR
LIGHT BROWN POWDER

----- FIRE AND EXPLOSION HAZARD DATA -----

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.

----- REACTIVITY DATA -----

INCOMPATIBILITIES
ACIDS
ACID CHLORIDES
ACID ANHYDRIDES
OXIDIZING AGENTS
MAY DECOMPOSE ON EXPOSURE TO LIGHT.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES

----- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
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.

CONTINUED ON NEXT PAGE

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----- SPILL OR LEAK PROCEDURES -----

WASTE DISPOSAL METHOD

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

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

USE ONLY IN A CHEMICAL FUME HOOD.

SAFETY SHOWER AND EYE BATH.

AVOID INHALATION.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

HIGHLY TOXIC.

TERATOGEN.

KEEP TIGHTLY CLOSED.

LIGHT SENSITIVE

STORE IN A COOL DRY PLACE.

LABEL PRECAUTIONARY STATEMENTS

HIGHLY TOXIC (USA DEFINITION)

TOXIC (EUROPEAN DEFINITION)

MAY CAUSE BIRTH DEFECTS.

TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

TARGET ORGAN(S):

HEART

SMOOTH MUSCLE

IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE).

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

DO NOT BREATHE DUST.

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