VALID 11/2002 - 01/2003

ALDRICH CHEMICAL CO., INC.
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MATERIAL SAFETY DATA SHEET

SECTION 1. - - - - - - - - CHEMICAL IDENTIFICATION - - - - - - - -
CATALOG #: 235830
NAME: P-ACETOPHENETIDINE, 97%

SECTION 2. - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - -
CAS #: 62-44-2
MF: C10H13NO2
EC NO: 200-533-0
SYNONYMS
ACETAMIDE, N-(4-ETHOXYPHENYL)- (9CI) * 1-ACETAMIDO-4-ETHOXYBENZENE *
ACETANILIDE, 4'-ETHOXY- * ACETO-PARA-PHENALIDE * P-ACETOPHENETIDINE *
ACETO-PARA-PHENETIDINE * PARA-ACETOPHENETIDINE * ACETOPHENETIDINE *
ACETOPHENETIDINE * N-ACETYL-P-ACETOPHENETIDINE *
ACET-P-PHENETIDIN * ACPL-P-ACETOPHENETIDINE * N-ACETYL-P-PHENETIDINE *
ACHRORICIN * ANAPAC * BROMO SELTZER * BUFF-A-COMP * CITRA-FORT *
CLISTANOL * CODEMIPRAL * COMMOTIONAL * CONTRADOL * CONTRADOLEUR *
CORICIDIN * CORIFORTE * CORYBAN-D * DAPRISAL * DARVON COMPOUND *
DASIKON * DASIN * DASIN CH * DOLOSTOP * EDRIASIL * EMPIRAL * EMFRAZIL *
EMFRAZIL-C * EPRAGEN * P-ETHOXYACETANILIDE * 4'-ETHOXYACETANILIDE *
4'-ETHOXYACETANILIDE * P-ETHOXYANILID KYSELINY OCTOVE (CZECH) * N-
PARA-ETHOXYPHENYLACETAMIDE * N-(4-ETHOXYPHENYL)ACETAMIDE * FENACETIN *
(CZECH) * FENACETINA * FENIDINA * FENIA * FENINA * FIORINAL *
FORTACYL * GELONIDA * GEWODIN * HELVAGIT * HJORTON'S POWDER *
HOCOPHEN * KAPA * KALMIN * MALEX * MELABON * MELAFORTE * NORGESIC *
PAMPRIN * PARACETOPHENETIDIN * PARAMETTE * PARATODOL * PERTONAL *
PHENACETIN * PARA-PHENACETIN * PHENACETINE * PHENACETINUM *
PHENACETIN * PHENAPHEN * PHENAPHEN PLUS * PHENAZETIN * PHENAZETINA *
PHENEDINA * P-PHENETIDINE, N-ACETYL- * PHENIDIN * PHENIN * PHENOXYNE *
PYRAPHEN * PYRINKATE * QUADRASOL * RCRA WASTE NUMBER U187 *
ROBAXISAL-PH * SALGYDAL * SANALGINE * SARIDON * SERANEX * SINEFAL *
SINUBID * SINUTAB * STELLACYL * SUPER ANAHiST * SYNALOS-DC *
SYNALOSOS * TACOL * TETRACYDIN * THEPHORIN A-C * TREEPEL * VEGANINE *
VIDEN * WIGRAINE * XARIL *

SECTION 3. - - - - - - - - HAZARDS IDENTIFICATION - - - - - - - -
LABEL PRECAUTIONARY STATEMENTS
TOXIC
MAY CAUSE CANCER.
HARMFUL IF SWALLOWED.
TARGET ORGAN(S):
BLOOD
KIDNEYS
PROBABLE CARCINOGEN (US)
AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

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 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.
WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.
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 CONTAMINATED CLOTHING BEFORE REUSE.
WASH THOROUGHLY AFTER HANDLING.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
NIOSH/MSHA-APPROVED RESPIRATOR IN NONVENTILATED AREAS AND/OR FOR
EXPOSURE ABOVE THE ACGIH TLV.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
CHEMICAL SAFETY GOGGLES.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - - -
APPEARANCE AND ODOR
WHITE POWDER

PHYSICAL PROPERTIES
MELTING POINT: 134°C TO 136°C

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

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG ACIDS
STRONG BASES
STRONG REDUCING AGENTS

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

HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - - - TOXICOLOGICAL INFORMATION - - - - - - -
ACUTE EFFECTS
MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
MAY CAUSE EYE IRRITATION.
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
MAY BE HARMFUL IF INHALED.
HARMFUL IF SWALLOWED.
ABSORPTION INTO THE BODY LEADS TO THE FORMATION OF METHEMOGLOBIN
WHICH IN SUFFICIENT CONCENTRATION CAUSES CYANOSIS. ONSET MAY BE
DELAYED 2 TO 4 HOURS OR LONGER.

CHRONIC EFFECTS
THIS PRODUCT IS OR CONTAINS A COMPONENT THAT HAS BEEN REPORTED TO BE
PROBABLY CARCINOGENIC BASED ON ITS IARC, OSHA, ACGIH, NTP OR EPA CLASSIFICATION.

TARGET ORGAN(S):
- BLOOD, KIDNEYS
- LIVER

RTECS #: AM4375000
P-ACETOPHENETIDIDE

TOXICITY DATA

- UNR-MAN LD50: 74 MG/KG
- ORL-RAT LD50: 1650 MG/KG
- IPR-RAT LD50: 634 MG/KG
- ORL-MUS LD50: 866 MG/KG
- IHL-MUS LC50: 33900 MG/M3
- IFR-MUS LD50: 540 MG/KG
- SCU-MUS LD50: 1625 MG/KG
- ORL-RET LD50: 2500 MG/KG
- SCU-RET LD50: 1 GM/KG
- ORL-HPD LD50: 1870 MG/KG
- ORL-HAM LD50: 1650 MG/KG

85DCAI 2.73, 1970
TXAPA9 1.240, 1959
NYKZAU 62, 11, 1966
ARZGAD 28, 1644, 1978
GISAAA 34(10), 36, 1969
YKRZAJ 81, 659, 1961
ARZGAD 8, 25, 1958
GTZAB 21(9), 53, 1977
ARZGAD 21, 719, 1971
TXAPA9 2.23, 1960
PHARAT 8, 572, 1953

TARGET ORGAN DATA

- BEHAVIORAL (SOMNOLENCE)
- BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)
- BEHAVIORAL (ATAXIA)
- BEHAVIORAL (COMA)

CARDIAC (PULSE RATE INCREASED WITHOUT FALL IN BP)
CARDIAC (PULSE RATE DECREASED WITH FALL IN BP)
LUNGS, THORAX OR RESPIRATION (RESPIRATORY DEPRESSION)
NUTRITIONAL AND GROSS METABOLIC (BODY TEMPERATURE DECREASE)

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 YET AVAILABLE.

SECTION 13. - - - - - - - - DISPOSAL CONSIDERATIONS - - - - - - - -
CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
THIS MATERIAL.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - - - - - - TRANSPORT INFORMATION - - - - - - - -
CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

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

TOXIC
R 45
MAY CAUSE CANCER.
R 22
HARMFUL IF SWALLOWED.
S 53
AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
S 45
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK
IARC CANCER REVIEW: ANIMAL SUFFICIENT EVIDENCE IMSUDL 7,310,1987
IARC CANCER REVIEW: HUMAN LIMITED EVIDENCE IMSUDL 7,310,1987
IARC CANCER REVIEW: GROUP 2A IMSUDL 7,310,1987
OEL-RUSSIA: STEL 0.5 MG/M3, JAN1993
NOHS 1974: HZD 80478; NIS 2; TNF 126; NOS 10; TNE 4186
NOES 1983: HZD X4389; NIS 1; TNF 9; NOS 2; TNE 869; TFE 617
NOES 1983: HZD 80478; NIS 4; TNF 1271; NOS 12; TNE 18808; TFE 15338
EPA GENETOX PROGRAM 1988, POSITIVE: CARCINOGENICITY-MOUSE/RAT
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
NTP 9TH REPORT ON CARCINOGENS, 2000: REASONABLY ANTICIPATED TO BE HUMAN
CARCINOGEN

U.S. INFORMATION

THIS PRODUCT IS OR CONTAINS CHEMICAL(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER.
SECTION 16. OTHER INFORMATION -

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Sigma, Aldrich, Fluka shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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