



chemists helping chemists in research & industry

**aldrich chemical co.**

P.O. Box 355, Milwaukee, Wisconsin 53201 USA • (414) 273-3850

ATTN: SAFETY DIRECTOR  
SCHOOLCRAFT COLLEGE  
PURCHASING DEPT  
18600 HAGGERTY RD  
LIVONIA  
MARGARET JUDD

MI 48152

DATE: 03/10/87  
CUST # 938609 P.O. #

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 # C2241-5      NAME: 4-CHLORDANILINE, 98%  
CAS # 106-47-8

----- TOXICITY HAZARDS -----

RTECS # BX0700000

ANILINE, P-CHLORO-  
IRRITATION DATA

SKN-RBT 500 MG/24H MLD  
EYE-RBT 250 UG/24H SEV

28ZPAK -,96,72  
28ZPAK -,96,72

TOXICITY DATA

ORL-RAT LD50:310 MG/KG  
SKN-RAT LD50:3200 MG/KG  
IPR-RAT LD50:420 MG/KG  
ORL-MUS LD50:100 MG/KG

AIHAAP 23,95,62  
AGGHAR 15,447,57  
AGGHAR 15,447,57  
NCILB\* NCI-E-C-72-3252,7

3  
SKN-CAT LD50:239 MG/KG  
SKN-RBT LD50:360 MG/KG  
ORL-GPG LD50:350 MG/KG  
ORL-QAL LD50:237 MG/KG  
ORL-BWD LD50:100 MG/KG

GTPZAB 13(5),29,69  
AIHAAP 23,95,62  
85GMAT -,34,82  
AECTCV 12,355,83  
TXAPA9 21,315,72

REVIEWS, STANDARDS, AND REGULATIONS

EPA GENETIC TOXICOLOGY PROGRAM, JANUARY 1984  
REPORTED IN EPA TSCA INVENTORY, 1983  
EPA TSCA 8(A) PRELIMINARY ASSESSMENT INFORMATION, FINAL RULE FEREC  
47,26992,82

NCI CARCINOGENESIS BIOASSAY (FEED); RESULTS INDEFINITE: MOUSE, RAT  
(NCITR\* NCI-CG-TR-189,79)

NTP CARCINOGENESIS STUDIES; ON TEST, JUNE 1986  
MEETS CRITERIA FOR PROPOSED OSHA MEDICAL RECORDS RULE FEREC 47,30420,  
82

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.  
CAUSES EYE IRRITATION.  
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.

EXPOSURE CAN CAUSE:  
DAMAGE TO THE LIVER  
DAMAGE TO THE KIDNEYS

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS  
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, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT,  
GIVE OXYGEN.  
CALL A PHYSICIAN.  
WASH CONTAMINATED CLOTHING BEFORE REUSE.



USA  
Aldrich Chemical Co., Inc.  
940 West Saint Paul Avenue  
Milwaukee, Wisconsin 53233  
Telephone: (414) 273-3850  
Telex: 8119 262-4122 Aldrich MI  
Telex: 26 247 Aldrich MI

Belgium  
Aldrich Chemie N.V.S.A.  
5 Rue Caporal Claes  
B-1039 Brussels  
Telephone: (02) 24698700  
Telex: 6133 Aldrich B

France  
Aldrich-Chimie S.r.l.  
27, Fosse des Treize  
F-67006 Strasbourg  
Telephone: 898 520010  
Telex: 893076 Aldrich F  
FAX: (89) 52 12 83

Japan  
Aldrich Japan  
Kyodo Bldg. Shinkanda  
10 Kanda-Mikuracho  
Chiyoda-Ku, Tokyo  
Telephone: (03) 252-0155  
FAX: (03) 250-0157

United Kingdom  
Aldrich Chemical Co., Ltd.  
The Old Brickyard, New Road  
Gillingham, Dorset SP8 4JL  
Telephone: (01478) 2211  
Telex: 417236 Aldrich G  
Fax: (01478) 3779

West Germany  
Aldrich-Chemie GmbH & Co. KG  
D-7524 Steinheim  
Telephone: (07142) 87-0  
Telex: 714833 Aldrich D  
Fax: 882326 87-36



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® P.O. Box 355, Milwaukee, Wisconsin 53201 USA • (414) 273-3850

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CATALOG # C2241-5

NAME: 4-CHLOROANILINE, 98%

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

MELTING POINT: 68 C TO 71 C  
BOILING POINT: 232 C

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

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

SPECIAL FIRE FIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSION HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

INCOMPATIBILITIES

ACIDS

ACID CHLORIDES

ACID ANHYDRIDES

CHLOROFORMATES

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

NITROGEN OXIDES

HYDROGEN CHLORIDE GAS

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

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

EVACUATE AREA.

WEAR FULL PROTECTIVE EQUIPMENT SUCH AS, A BUTYL RUBBER CHEMICAL-PROOF

AIR SUIT, WITH BREATHING AIR SUPPLIED.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD

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 & LOCAL LAWS.

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

WEAR APPROPRIATE OSHA/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.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

WASH THOROUGHLY AFTER HANDLING.

READILY ABSORBED THROUGH SKIN.

POISON

EYE IRRITANT.

KEEP CONTAINER CLOSED.

STORE IN A COOL DRY PLACE.

----- ADDITIONAL PRECAUTIONS AND COMMENTS -----

NOT APPLICABLE

USA  
Aldrich Chemical Co., Inc.  
940 West Saint Paul Avenue  
Milwaukee, Wisconsin 53233  
Telephone: (414) 273-3850  
TWX: (918) 252-3852 Aldrichem.MI  
Telex: 283840ALDRICHMI  
FAX: (414) 273-4979

Belgium  
Aldrich Chemie N.V./S.A.  
6 Rue Caporal Claes  
B-1030 Brussels  
Telephone: (02) 2428750  
Telex: 62302 Alchem-B

France  
Aldrich-Chimie S.a.r.l.  
27, Fosse des Treize  
F-67000 Strasbourg  
Telephone: (88) 327010  
Telex: 880078 Aldrich F  
FAX: (88) 75 12 85

Japan  
Aldrich Japan  
Kyodo Bldg. Shinkanda  
10 Kanda-Mikuracho  
Chiyoda-Ku, Tokyo  
Telephone: (03) 258-0155  
FAX: (03) 258-0157

United Kingdom  
Aldrich Chemical Co., Ltd.  
The Old Brickyard, New Road  
Gillingham, Dorset SP6 4JL  
Telephone: (07476) 2211  
Telex: 417238 Aldrich G  
FAX: (07476) 3778

West Germany  
Aldrich-Chemie GmbH & Co. KG  
D-7924 Steinheim  
Telephone: (07329) 87-0  
Telex: 714838 Aldri D  
FAX: (07329) 87-39



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**USA**  
Aldrich Chemical Co., Inc.  
940 West Saint Paul Avenue  
Milwaukee, Wisconsin 53233  
Telephone: (414) 273-3850  
TWX: (910) 382-3852; Aldrichem 78  
Telex: 285860 Aldrich 36  
FAX: (414) 273-3272

**Belgium**  
Aldrich Chemie N.V./S.A.  
6 Rue Caporal Claes  
B-1030 Brussels  
Telephone: (32) 2429750  
Telex: 82388 Aldrich B

**France**  
Aldrich-Chimie S.a.r.l.  
27, Fosse des Treize  
F-67000 Strasbourg  
Telephone: (33) 3203193  
Telex: 808333 Aldrich F  
FAX: (33) 76 32 85

**Japan**  
Aldrich Japan  
Kyodo Bldg. Shinkanda  
16 Kanda-Midjuracho  
Chiyoda-Ku., Tokyo  
Telephone: (81) 254-6155  
Telex: 334 254-6157  
FAX: (81) 254-6157

**United Kingdom**  
Aldrich Chemical Co., Ltd.  
The Old Brickyard, New Road  
Gillingham, Dorset SP9 4JL  
Telephone: (07476) 2211  
Telex: 432236 Aldrich G  
FAX: (07476) 3176

**West Germany**  
Aldrich-Chemie GmbH & Co. KG  
D-7824 Steinheim  
Telephone: (07325) 87-0  
Telex: 714838 Aldri D  
FAX: (07325) 87-38