Lab

chemists helping chemists in research & industry

aldrich chemical co.

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

ATTN: SAFETY DIRECTOR
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18600 HAGGERTY RD
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MARGARET JUDD

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

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

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

TOXICITY HAZARDS

RTECS # BX0700000
ANILINE, P-CHLORO-
IRRITATION DATA

SKN-RBT 500 MG/24H MLD	28ZPAK -,96,72
EYE-RBT 250 UG/24H SEV	28ZPAK -,96,72

TOXICITY DATA

ORL-RAT LD50:310 MG/KG	AIHAAP 23,95,62
SKN-RAT LD50:3200 MG/KG	AGGHAR 15,447,57
IPR-RAT LD50:420 MG/KG	AGGHAR 15,447,57
ORL-MUS LD50:100 MG/KG	NCILB* NCI-E-C-72-3252,7 3
SKN-CAT LD50:239 MG/KG	GTPZAB 13(5),29,69
SKN-RBT LD50:360 MG/KG	AIHAAP 23,95,62
ORL-GPG LD50:350 MG/KG	85GMAT -,34,82
ORL-QAL LD50:237 MG/KG	AECTCV 12,355,83
ORL-BWD LD50:100 MG/KG	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 FEREAC 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 FEREAC 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.

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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

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REPRODUCED FROM 328 REV 7-86

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