



chemists helping chemists in research & industry

aldrich chemical co.

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ATTN: SAFETY DIRECTOR
STATE OF WISCONSIN
DEPARTMENT OF JUSTICE
STATE CRIME LAB
PO BOX 7857
MADISON WI 53707

DATE: 07/15/91
CUST#: 523143
PO#: JOB0129

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 1

----- IDENTIFICATION -----

PRODUCT #: 15647-7
CAS #: 100-10-7
MF: C9H11NO

NAME: ~~4-(DIMETHYLAMINO)BENZALDEHYDE~~, 99%,
A.C.S. REAGENT

4-(Dimethylamino)Benzaldehyde, 99%,
A.C.S. Reagent

SYNONYMS

P-(DIMETHYLAMINO)BENZALDEHYDE * 4-(DIMETHYLAMINO)BENZALDEHYDE * 4-
DIMETHYLAMINO BENZENECARBONAL * EHRlich'S REAGENT * P-
FORMYLDIMETHYLANILINE * REAGENS EHRlichOVO (CZECH) *

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

RTECS NO: CU5775000

BENZALDEHYDE, P-(DIMETHYLAMINO)-

TOXICITY DATA

IPR-RAT LD50: 620 MG/KG

HINEL * AF33 (657)-11756,6

REVIEWS, STANDARDS, AND REGULATIONS

NOHS 1974: HZD 80179; NIS 8; TNF 622; NOS 13; TNE 6871

NOES 1983: HZD 80179000; TNF 7; NIS 1897; NOS 20; TNE 23642; TFE 15264
EPA TSCA CHEMICAL INVENTORY, JUNE 1990

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 HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

CAUSES EYE AND SKIN IRRITATION.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER

RESPIRATORY TRACT.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND

TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID

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

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

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

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.

CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

MELTING PT: 73 C TO 75 C

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

APPEARANCE AND ODOR
OFF-WHITE CRYSTALLINE 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 EXPLOSION HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
MAY DISCOLOR ON EXPOSURE TO LIGHT.
STRONG BASES
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
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.
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 AND LOCAL ENVIRONMENTAL REGULATIONS.

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

CHEMICAL SAFETY GOGGLES.

CONTINUED ON NEXT PAGE

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

NIOSH/MSHA-APPROVED RESPIRATOR.
MECHANICAL EXHAUST REQUIRED.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
AVOID BREATHING DUST.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
IRRITANT.
KEEP CONTAINER CLOSED.
LIGHT SENSITIVE
STORE UNDER NITROGEN.
STORE IN A COOL DRY PLACE.

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