MATERIAL SAFETY DATA SHEET

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

SYNONYMS
P-(DIMETHYLAMINO)BENZALDEHYDE, P-(DIMETHYLAMINO)BENZALDEHYDE * 4-(DIMETHYLAMINO)BENZALDEHYDE * 4-
DIMETHYLAMINOBENZALDEHYDE * 4-DIMETHYLAMINOBENZALDEHYDE * 4-
FORMYLDIMETHYLAMINOBENZALDEHYDE * REAGENS EHRICHSOV (CZECH) *

TOXICITY HAZARDS

RTECS NO: CU5775000
BENZALDEHYDE, P-(DIMETHYLAMINO)-

TOXICITY DATA
4 IPR - RAT LD50: 620 MG/KG

HINEL * AF3(657)-11756,6

REVIEWS, STANDARDS, AND REGULATIONS
NOHS 1974: HZD 80179; NIS 8: TNE 622; NOS 13: TNE 6871
NOES 1983: HZD 80179000: TNE 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 COPTOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPTIOUS
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.

MELTING PT: 73 C TO 75 C

CONTINUED ON NEXT PAGE
MATERIAL SAFETY DATA SHEET

NAME: 4-(DIMETHYLAMINO)BENZALDEHYDE, 99%, A.C.S. REAGENT
PRODUCT #: 15647-7
CAS #: 100-10-7
MF: C9H11NO

----------- 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 EXPLOSIONS HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

---------- REACTIVITY DATA ----------
INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
MAY DISCOLOR ON EXPOSURE TO LIGHT.
STRONG ACIDS
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.
SHEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

HAZARDOUS 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 ---

CONTINUED ON NEXT PAGE
MATERIAL SAFETY DATA SHEET  PAGE 3

CUST#: 523143
P/N#: JDB0129

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

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

--- 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.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE
ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH 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.

COPYRIGHT 1991 ALDRICH CHEMICAL CO., INC.
LICENSE GRANTED TO MAKE UNLIMITED COPIES FOR INTERNAL USE ONLY.