



chemists helping chemists in research & industry

aldrich chemical co.

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JOEL WATKINS, FORUM F252

DATE: 07/20/90
CUST#: 938609
PO#: 65858

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 #: 21899-5
CAS #: 86-56-6
MF: C12H13N

NAME: N,N-DIMETHYL-1-NAPHTHYLAMINE, 99%

SYNONYMS

1-DIMETHYLAMINONAPHTHALENE * N,N-DIMETHYL-1-NAFTYLAMIN (CZECH) *
DIMETHYL-ALPHA-NAPHTHYLAMINE * ALPHA-DIMETHYLNAPHTHYLAMINE * N,N-
DIMETHYL-ALPHA-NAPHTHYLAMINE * N,N-DIMETHYL-1-NAPHTHYLAMINE *

TOXICITY HAZARDS

RTECS NO: QM2825000

1-NAPHTHYLAMINE, N,N-DIMETHYL-
TOXICITY DATA

IPR-MUS LD50: 75 MG/KG

NTIS** AD691-490

REVIEWS, STANDARDS, AND REGULATIONS

NOHS 1974: HZD A1111; NIS 1; TNF 43; NOS 1; TNE 383

NOES 1983: HZD A1111; NIS 1; TNF 150; NOS 5; TNE 2006; TFE 1662

EPA TSCA CHEMICAL INVENTORY, 1989

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

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
MAY CAUSE IRRITATION.

CHRONIC EFFECTS

POSSIBLE CARCINOGEN.

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 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. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

CALL A PHYSICIAN.

DISCARD CONTAMINATED CLOTHING AND SHOES.

PHYSICAL DATA

BOILING PT: 139 C TO 140 C/13MM.

SPECIFIC GRAVITY: 1.042

APPEARANCE AND ODOR

PALE-YELLOW LIQUID

CONTINUED ON NEXT PAGE

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PAGE 2

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

FLASHPOINT: >230

EXTINGUISHING MEDIA

WATER SPRAY.

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

SPECIAL FIREFIGHTING PROCEDURES

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

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

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

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

EVACUATE AREA.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.

ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR 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, AND LOCAL LAWS.

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

WEAR APPROPRIATE NIOSH/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 ALL CONTACT.

WASH THOROUGHLY AFTER HANDLING.

POSSIBLE CARCINOGEN.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

CONTINUED ON NEXT PAGE

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