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E M Science
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Material Safety Data Sheet
Essentially Similar to U.S. Department of Labor Form OSHA-20
Date of Prep. 1/15/87

SECTION 1

NAME & PRODUCT

Chemical Name: Diphenylamine

Catalog Number: DX2160

DX2165

DX2170

820528

Trade Name: Unknown

CAS #: 122-39-4

Formula: (C₆H₅)₂NH

Chemical Family: Aromatic Amine

Molecular
Weight
169.23

SECTION 2

PHYSICAL DATA

Boiling Point	mm Hg	Unknown	Specific Gravity (H ₂ O=1)	1.16
Melting Point		53-54C	Solubility in H ₂ O, % by wt @ 20 C	neg.
Vapor Pres. @ Unkwn	mm Hg		Evaporation Rate (Butyl Acetate=1)	Unkwn
Vapor Density (air=1)	Unkwn		Appearance and Odor	colorless to amber crystals
% Volatiles by Volume	Unkwn			

SECTION 3

FIRE & EXPLOSION HAZARD DATA

Flash Point/Test method: 307F (CC)

Flammable Limits: Lel% Unkwn Uel% Unkwn

Extinguishing Media:

Dry chemical, CO₂, water spray

Special Hazards:

Wear self-contained breathing apparatus

Unusual Fire and Explosion Hazards:

May emit toxic fumes on thermal decomposition

SECTION 4

REACTIVITY DATA

Stable S Conditions to Avoid:
Reacts violently with hexachloromelamine, trichloromelamine
Protect from Light

Materials to Avoid:

() Water () Acids () Bases () Corrosives (X) Oxidizers
() Other:

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SECTION 4

REACTIVITY DATA

Hazardous Decomposition Products:
CO₂, NO_x

SECTION 5

SPILL OR LEAK PROCEDURES AND DISPOSAL

Steps to be taken in case material is released or spilled:
Sweep up and containerize for proper disposal

Waste Disposal Method: To be performed in compliance with all current
local, state and federal regulations.

SECTION 6

HEALTH HAZARD DATA

Threshold Limit Value:
Tentative - 20 mg/m³

TXDS:

orl-rat LDLo: 3 gm/kg
orl-hmn LDLo: 500 mg/kg

Threshold Value:
Unknown

Effects of Overexposure:
Headache, fatigue, anorexia, cyanosis, vomiting and emaciation
Can irritate skin and mucous membranes

First Aid Procedures:

Eyes: wash with water; get medical assistance
Skin: wash with soap/water; get medical assistance
Ingestion: get medical attention
Inhalation: remove to fresh air; get medical assistance
GET MEDICAL ASSISTANCE IN ALL CASES OF OVEREXPOSURE

SECTION 7

SPECIAL PROTECTION INFORMATION

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:
Provide adequate general and exhaust ventilation
Protect eyes and skin with safety goggles and gloves

SECTION 8

SPECIAL HANDLING AND STORING PRECAUTIONS

Special Handling And Storing Precautions:

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SECTION 8

SPECIAL HANDLING AND STORING PRECAUTIONS

Special Handling And Storing Precautions:

Store in a cool, dry, well-ventilated area
Protect from light

SECTION 9

HAZARDOUS INGREDIENTS

Hazardous Ingredients:

N/A

SECTION 10

OTHER INFORMATION

NFPA 704 :

Health	Flammability	Reactivity
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Comments:

An impurity of diphenylamine, 4-aminodiphenyl is a suspected cancer agent 29CFR 1910.1011

Rev. 4/85