MATERIAL SAFETY DATA SHEET

ALDON CORPORATION
221 Rochester Street
Avon, New York 14414-9409
(585) 226-6177

MSDS No.: DD0050
Effective Date: January 23, 2007

SECTION I NAME
Product
Chemical Symonyms
Formula
Unit Size
C.A.S. No.

DIPEHYLAMINE
N-Phenyldiphenylamine
(C₂H₅)₂NH
up to 2.5 Kg.
122-39-4

24 HOUR EMERGENCY ASSISTANCE
CHEMTREC
800-424-9300
Day 585-226-6177

FIRE AND EXPLOSION HAZARD DATA
Flash Point (Method Used)
Extinguisher Media
153°C (307.4°F)
Carbon dioxide; dry chemical; water spray; foam.

Do not use high-pressure water stream. Air-borne dust creates an explosive hazard. Wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

Autoignition Temperature: 634°F (1173.20°F)

SECTION II INGREDIENTS OF MIXTURES
Principal Component(s)

% TLV Units

100% TWA: 10 mg/m³

SECTION III PHYSICAL DATA
Melting Point (°F) Boiling Point (°F) Vapor Pressure (mm Hg) Vapor Density (Air = 1) Solubility in Water Specific Gravity (H₂O = 1)
53.84-54.95°C (129-131°F) 301.92°F 1 mm @ 108°C 5.82 Negligible. 1.160

Hazardous Polymerization Products
Nitrogen oxides, carbon oxides.

INHALATION:
Use personal protective equipment and adequate ventilation. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water. Do not allow wash water to reach waterways.

SECTION IV FIRE AND EXPLOSION HAZARD DATA
Flammable Limits in Air % by Volume Extinguisher Media
Lower Upper

Carbon dioxide; dry chemical; water spray; foam.

SECTION V HEALTH HAZARD DATA
Threshold Limited Value
TWA: 10 mg/m³ (ACGIH 2001).

Effects of Overexposure
Ingestion: May cause irritation of the digestive tract. Methemoglobinemia is characterized by dizziness, drowsiness, headache, shortness of breath, cyanosis, rapid heart rate, and chocolate-brown colored blood. Inhalation: May cause respiratory tract irritation. May cause methemoglobinemia, cyanosis, convulsions, tachycardia, dyspnea and death. May cause irritation to skin and eyes. Prolonged or repeated skin contact may cause dermatitis or sensitization. Danger of cumulative effects. Target organs: Kidneys, central nervous system, liver, red blood cells, bladder.

Emergency and First Aid Procedures
INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA
Stability
Unstable

Incompatible Materials
Oxidizing agents, strong acids, isocyanates, hexachloromelamine, organic anydrides, aldehydes, trichloromelamine.

SECTION VII SPILL OR LEAK PROCEDURES
Steps to be taken in case material is released or spilled
Use personal protective equipment and adequate ventilation. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water. Do not allow wash water to reach waterways.

Waste Disposal Method
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

SECTION VIII SPECIAL PROTECTION INFORMATION
Respiration Protection (Specify Type)
Work in laboratory fume hood. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask or respirator.

Ventilation
Local Exhaust Recommended. Special No. Mechanical (General) Recommended. Other No.

Protective Gloves
Rubber.

Protective Equipment
Goggles, smock, apron, eye wash station, wash facilities, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS
Precautions to be Taken in Handling & Storing
Store in a cool, dry place away from strong oxidizers. Protect from light. Wash thoroughly after handling.

Other Precautions
Keep container tightly closed when not in use. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid contact with eyes, skin and mucous membranes. Do not inhale or ingest. Use with adequate ventilation. Remove and wash contaminated clothing.

Revision No. 8 Date 01/23/07 Approved James A. Bertsch Chemical Safety Coordinator JAB

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

D.O.T.
Toxic solids, organic, n.o.s., (Diphenylamine), 6.1, UN2811, PG III

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

0 1  2   3   4

MINIMAL SLIGHT MODERATE SERIOUS SEVERE

HAZARD RATING
Flammable Limits in Air
Lower Upper

WARNING!
HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION.

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