



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. AA 359
Effective Date January 25, 1999

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	ANILINE
Chemical Synonyms	Aminobenzene; Aniline Oil
Formula	C ₆ H ₅ NH ₂
Unit Size	up to 4 Lt.
C.A.S. No.	62-53-3

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3

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CHEMTREC
800-424-9300
Day 716-226-6177

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health 3
Fire 2
Reactivity 2
HMIS *
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Aniline	100%	See section V

DANGER! POISON! **MAY BE FATAL IF SWALLOWED, INHALED, OR**

ABSORBED THROUGH SKIN. MAY CAUSE CYANOSIS. COMBUSTIBLE. AN ALLERGEN.

SECTION III PHYSICAL DATA

Melting Point (°F)	-6.2°C (21°F)	Specific Gravity (H ₂ O = 1)	1.022
Boiling Point (°F)	184°C (364°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	0.5 mm at 20°C (68°F)	Evaporation Rate (n-Butyl Ac. =1)	Less than 1.
Vapor Density (Air=1)	3.22		
Solubility in Water	0.3 g/lit at 20°C		
Appearance & Odor	Colorless, oily liquid. Darkens on exposure to light or air; odor-weakly amine.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	70°C (158°F) (Closed cup)	Flammable Limits in Air % by Volume	Lower 1.3%	Upper 20.0%
Extinguisher Media	Water spray; alcohol foam; dry chemical (ABC); carbon dioxide (CO ₂).			

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA - approved self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Flammable when exposed to heat or flame. May produce hazardous decomposition products. Contact with strong oxidizers may cause fire or explosion. Explosive vapor with air mixtures may form above flashpoint.

Autoignition Temperature: 615°C (1139°F)

D.O.T. ANILINE 6.1, UN 1547, PG II

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

SECTION V HEALTH HAZARD DATA AA 359

Threshold Limited Value	TWA: SKIN 2 ppm, 7.6 mg/m ₃ . (ACGIH 1992-93). Toxicity: Oral LD50 (Rat) 250 mg/kg; Skin LD50 (Rat) 1400 mg/kg; Inhalation LC50 (Mouse) 175 ppm (7hr.).
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Effects of Overexposure	INHALATION: Highly toxic. Affects ability of blood to carry oxygen. Symptoms may include bluish discoloration of lips and tongue, severe headache, nausea, confusion, dizziness, shock, respiratory paralysis, death. INGESTION: Highly toxic. Lethal dose may be as little as one gram. Symptoms of ingestion parallel inhalation may cause liver and kidney damage. SKIN CONTACT: Toxic if absorbed through skin. Local contact may cause dermatitis. Symptoms of skin absorption parallel inhalation. EYE CONTACT: Vapor is an eye irritant. Splashes may cause corneal damage.
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Emergency and First Aid Procedures	INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep the affected person warm and at rest. Call physician immediately. INGESTION: If swallowed, if conscious, give one or two glasses of milk or water to drink. Call physician immediately. Never give anything by mouth to an unconscious person. SKIN: Remove contaminated clothing. Flush skin with water for 15 minutes. Get medical attention promptly. Discard contaminated clothing promptly. EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention.
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SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Elevated temperatures contribute to instability. Will not react with water, but is volatile with steam.
	Stable	X	

Incompatibility (Materials to Avoid)	Strong acids and strong oxidizers, albumin, solutions of iron, zinc, aluminum, and alkalies. Ignites spontaneously in the presence of red fuming nitric acid, and with sodium.
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Hazardous Decomposition Products	Nitrogen oxides, carbon monoxide, carbon dioxide.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Remove all ignition sources; ventilate area of leak or spill. Wear full protective equipment and clothing. Absorb spill on vermiculite, sand, earth and place in a suitable container. Do not flush to sewer.
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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.
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Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	In the laboratory, work in exhaust hood. Wear a NIOSH/MSHA approved breathing apparatus.			
Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	Yes.	Other	No.
Protective Gloves	Rubber, Neoprene		Eye Protection	Chemical safety goggles.
Other Protective Equipment	Face shield, lab coat or apron, proper gloves, eye wash station, ventilation hood.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry well-ventilated area away from fire hazards, oxidizers and incompatible substances. Wash thoroughly after handling. Keep container tightly closed when not in use.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Do not breathe vapor. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 3	Date 1/25/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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