SIGMA-ALDRICH

Material Safety Data Sheet

Version 3.0 Revision Date 08/23/2008 Print Date 03/27/2011

Product name	: 4-Chloro-N-(2	-hydroxyethyl)-2-nitroar	niline	
Product Number	: 24855			
Brand	: Aldrich			
Company	: Sigma-Aldrich 3050 Spruce Str			
	SAINT LOUIS M	IO 63103		
T . I	USA			
Telephone Fax	: +18003255832 +18003255052			
Emergency Phone #	: +18003255052 : (314) 776-6555			
		-		
OMPOSITION/INFORM	ATION ON INGREDIENTS	5		
Formula	: C8H9CIN2O3			
Molecular Weight	: 216.62 g/mol			
CAS-No.	EC-No.	Index-No.	Concentration	
2-[(4-Chloro-2-nitroph	nenyl)amino]ethanol			
	413-280-8	609-063-00-4	-	
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General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point no data available

Ignition temperature no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

Store under inert gas. Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection Safety glasses

Salety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	powder
Colour	dark yellow
Safety data	
рН	no data available
Melting point	104 - 108 °C (219 - 226 °F)
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

UN-Number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-[(4-Chloro-2nitrophenyl)amino]ethanol) Marine pollutant: No

ΙΑΤΑ

Aldrich - 24855

UN-Number: 3077 Class: 9 Packing group: III Proper shipping name: Environmentally hazardous substance, solid n.o.s. (2	2-[(4-Chloro-2-nitroph	enyl)amino]ethanol)		
15. REGULATORY INFORMATION				
OSHA Hazards No known OSHA hazards				
DSL Status This product contains the following components that are not on the Canadia	an DSL nor NDSL list CAS-No.	S.		
2-[(4-Chloro-2-nitrophenyl)amino]ethanol	59320-13-7			
SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting require	ements of SARA Title	e III, Section 302.		
SARA 313 Components SARA 313: This material does not contain any chemical components with k threshold (De Minimis) reporting levels established by SARA Title III, Section		that exceed the		
SARA 311/312 Hazards No SARA Hazards				
Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.				
Pennsylvania Right To Know Components				
2-[(4-Chloro-2-nitrophenyl)amino]ethanol	CAS-No. 59320-13-7	Revision Date		
New Jersey Right To Know Components				
2-[(4-Chloro-2-nitrophenyl)amino]ethanol	CAS-No. 59320-13-7	Revision Date		
California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.				
16. OTHER INFORMATION				

Further information

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