

# Material Safety Data Sheet

## n-Phenyldiethanolamine, 90-95% (gc), remainder n-phenylethanolamine

ACC# 40816

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** n-Phenyldiethanolamine, 90-95% (gc), remainder n-phenylethanolamine

**Catalog Numbers:** AC130490000, AC130490010, AC130490025, AC130490030, AC130490050, AC130495000 AC130495000

**Synonyms:** 2,2'-(Phenylimino)diethanol; PDEA; N,N-Dihydroxyethylaniline.

**Company Identification:**

Acros Organics N.V.

One Reagent Lane

Fair Lawn, NJ 07410

**For information in North America, call:** 800-ACROS-01

**For emergencies in the US, call CHEMTREC:** 800-424-9300

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
120-07-0	N-phenyl diethanolamine	90-95	204-368-5
122-98-5	N-phenyl ethanolamine	Balance	204-588-1

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: Not available.

**Danger!** May be fatal if absorbed through the skin. Causes eye irritation. Causes respiratory tract irritation. May be harmful if swallowed. Air sensitive. Moisture sensitive.

**Target Organs:** None.

#### Potential Health Effects

**Eye:** Causes eye irritation.

**Skin:** May be fatal if absorbed through the skin.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** Causes respiratory tract irritation.

**Chronic:** No information found.

### Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

**Antidote:** None reported.

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**Flash Point:** 165 deg C ( 329.00 deg F)

**Autoignition Temperature:** 390 deg C ( 734.00 deg F)

**Explosion Limits, Lower:** .70 vol %

**Upper:** .00 vol %

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Provide ventilation.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
N-phenyl diethanolamine	none listed	none listed	none listed
N-phenyl ethanolamine	none listed	none listed	none listed

**OSHA Vacated PELs:** N-phenyl diethanolamine: No OSHA Vacated PELs are listed for this chemical. N-phenyl ethanolamine: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Not available.

**Odor:** None reported.

**pH:** 8.5(2% aqueous sol.)

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:**Not available.

**Viscosity:** 123 MPA 60.00 deg C

**Boiling Point:** 228 deg C @ 20.00HPA

**Freezing/Melting Point:**56.00 - 58.00 deg C

**Decomposition Temperature:**Not available.

**Solubility:** soluble in ethanol and acetone

**Specific Gravity/Density:**Not available.

**Molecular Formula:**C10H15NO2

**Molecular Weight:**181.23

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, strong oxidants.

**Incompatibilities with Other Materials:** Acids - acid chlorides - acid anhydrides - oxidizing agents - air - moisture - chloroformates.

**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

### RTECS#:

**CAS#** 120-07-0: KM2100000

**CAS#** 122-98-5: KJ7175000

### LD50/LC50:

CAS# 120-07-0:

Draize test, rabbit, eye: 100 mg Severe;

Oral, mouse: LD50 = 360 mg/kg;

Oral, rat: LD50 = 980 mg/kg;

Skin, rabbit: LD50 = >20 mL/kg;

CAS# 122-98-5:

Draize test, rabbit, eye: 20 mg Severe;

Draize test, rabbit, eye: 20 mg/24H Moderate;

Oral, rat: LD50 = 2230 mg/kg;

Skin, rabbit: LD50 = 63 uL/kg;

### Carcinogenicity:

CAS# 120-07-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 122-98-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No information available.  
**Teratogenicity:** No information available.  
**Reproductive Effects:** No information available.  
**Mutagenicity:** No information available.  
**Neurotoxicity:** No information available.  
**Other Studies:**

## Section 12 - Ecological Information

**Ecotoxicity:** No data available. No information available.  
**Environmental:** No information found.  
**Physical:** No information found.  
**Other:** No information available.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.  
**RCRA U-Series:** None listed.

## Section 14 - Transport Information

	US DOT	Canada TDG
<b>Shipping Name:</b>	Not regulated as a hazardous material	No information available.
<b>Hazard Class:</b>		
<b>UN Number:</b>		
<b>Packing Group:</b>		

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

CAS# 120-07-0 is listed on the TSCA inventory.  
CAS# 122-98-5 is listed on the TSCA inventory.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

#### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

#### SARA Codes

CAS # 120-07-0: immediate.

#### Section 313

No chemicals are reportable under Section 313.

#### Clean Air Act:

This material does not contain any hazardous air pollutants.  
This material does not contain any Class 1 Ozone depleters.  
This material does not contain any Class 2 Ozone depleters.

#### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.  
None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

#### STATE

CAS# 120-07-0 is not present on state lists from CA, PA, MN, MA, FL, or NJ.  
CAS# 122-98-5 can be found on the following state right to know lists: Pennsylvania, Massachusetts.

### California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

### European/International Regulations

#### European Labeling in Accordance with EC Directives

#### Hazard Symbols:

XN

**Risk Phrases:**

R 22 Harmful if swallowed.  
R 36 Irritating to eyes.

**Safety Phrases:**

S 28A After contact with skin, wash immediately with plenty of water

**WGK (Water Danger/Protection)**

CAS# 120-07-0: 2  
CAS# 122-98-5: 1

**Canada - DSL/NDSL**

CAS# 120-07-0 is listed on Canada's DSL List.  
CAS# 122-98-5 is listed on Canada's DSL List.

**Canada - WHMIS**

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

CAS# 120-07-0 is listed on the Canadian Ingredient Disclosure List.  
CAS# 122-98-5 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information
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**MSDS Creation Date:** 12/04/1998

**Revision #3 Date:** 10/03/2005

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.*