

ETHYLENEDIAMINE -- Chemical Fact Sheet

<i>What is it?</i>	Ethylenediamine is a colorless to yellow liquid with a fishy odor. Its odor allows it to be detected at low concentrations. Ethylenediamine is a combustible chemical (but not a flammable). It is also a corrosive chemical and an irritant.
<i>Where does it come from?</i>	Ethylenediamine is chemically synthesized.
<i>What are the common uses for it?</i>	Manufacture of catalyst
<i>How is it transported?</i>	Ethylenediamine is transported by truck.
<i>How is it stored?</i>	Ethylenediamine is stored in tanks.

Health Hazards from Exposure

<i>Exposure Route</i>	<i>Symptoms</i>	<i>First Aid</i>
Inhalation (low concentrations)	Irritates nose, throat and lungs Burning Sensation Coughing, chest pain	Remove to fresh air. Seek medical attention if symptoms persist.
Inhalation (high concentrations & prolonged exposure)	Burning Sensation Coughing Nausea, vomiting Sore throat Chest pain Labored breathing Shortness of breath Accumulation of fluid in lungs, death	Remove to fresh air, get medical attention including oxygen administration. Initiate CPR if breathing has stopped.
Eyes	Severe eye irritant Burning/discomfort Blurred vision Watering of eyes Redness, Swelling	Rinse eyes with water for at least 5 minutes. Seek medical attention.
Skin	Skin irritant and sensitizer Burning/discomfort, redness May cause allergic skin reaction in sensitive individuals	Wash skin with soapy water. Seek medical attention for all but minor exposure.

Contra Costa RMP/CalARP Companies²
that Use, Store or Manufacture this Chemical

Shell Chemical Company

For More Information

Poison Control Center (800) 876 - 4766	California Health Service Department Sacramento (916) 540 - 3014	Contra Costa County Health Services – Hazardous Materials Department 4333 Pacheco Blvd Martinez, CA 94553 (925) 646 – 2286
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Web Sites on the Internet

US Environmental Protection Agency and Technology Transfer Network	www.epa.gov/swerceppo www.epa.gov/ttn/uatw/hapindex.html	(800)535–0202 EPCRA Hotline (919)541–0888
National Institute of Occupational Safety & Health and the Agency for Toxic Substances and Disease Registry	www.cdc.gov/niosh http://atsdr1.atsdr.cdc.gov:8080/hazdat.html	(800)477–1544
Occupational Safety and Health Administration	www.osha.gov www.osha-slc.gov/ChemSamp_data	(202)219–8151 or (202)219–7056
ChemFinder®	http://Chemfinder.camsoft.com	(800)315–7300
International Safety Cards	http://siri.org/msds/mf/cards/list.html	
MSDS Sites	www.chem.utah.edu/msds	

This is a brief summary of information on this chemical. For more detailed information you can obtain a Material Safety Data Sheet from Contra Costa Health Services. You can also call any of the companies listed above for more information.

¹ This information was obtained from the websites listed above.

² The companies listed were obtained from Business Plans submitted to Contra Costa County Health Services Department.